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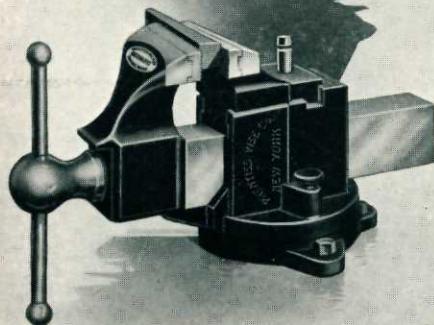
MAR 1 1917

PRENTISS
VISES

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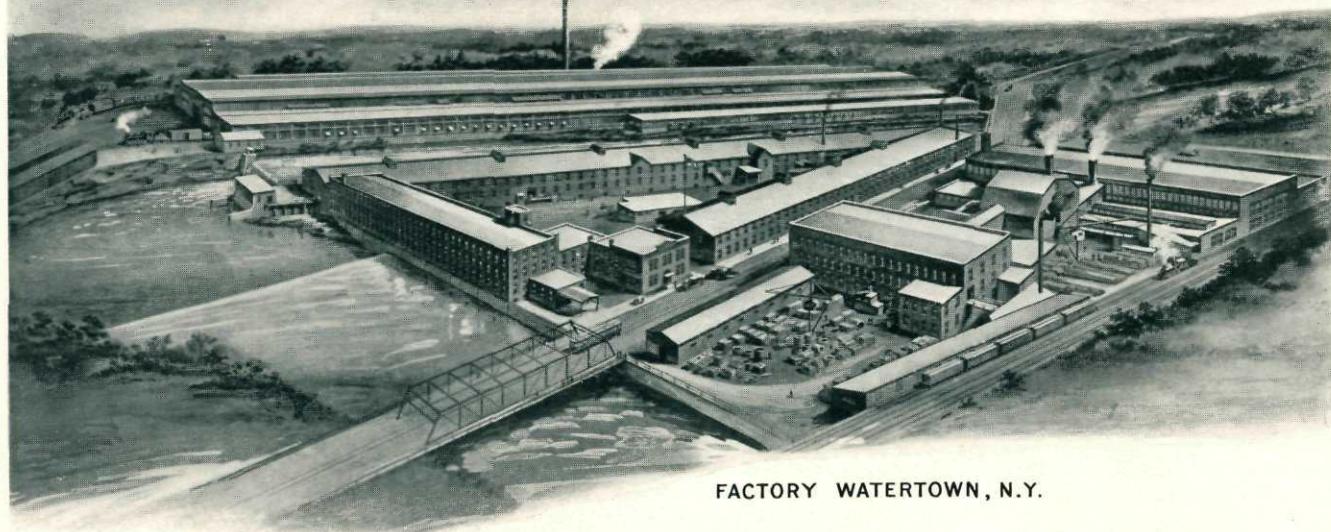
JOHN PRENTISS & SONS

The Prentiss Vise



JOHN PRENTISS & SONS

OSSESSIVE



FACTORY WATERTOWN, N.Y.

KOMPRIMIERT

APPRENTISSAGE

FIFTIETH ILLUSTRATED
PRICE LIST OF VISES

CATALOGUE NUMBER FIFTY

PRENTISS VISE COMPANY

110 LAFAYETTE ST., NEW YORK, U. S. A.

FACTORY, WATERTOWN, N. Y.

VISES

1917

THE USE AND ABUSE OF A VISE

No tool in a shop is subjected to so much unintelligent use as a Vise. Most machine tools are operated by men whose education and experience has taught them to know the strength of materials, and furthermore to not exceed the strain that may be safely put upon them. But a vise is generally at the service of all who may temporarily have use for it. It has no protection against use which may be so devoid of intelligence as to constitute gross abuse. Unfortunately its functions and designs are such that it provides within itself the means for its own destruction, and it is frequently forced into service for which it was not designed or intended. Oftentimes we see it used as a screw-press, which use is quite legitimate so long as the operator is one who knows the maximum pressure it can safely withstand—and does not

PRENTISS VISE COMPANY

allow that pressure to be exceeded. But in the hands of the average helper or laborer, such use is generally disastrous. When he reaches the limit of pressure which can be exerted by the lever with which the screw is provided, a piece of gas pipe slipped onto the lever provides the convenient means by which the leverage may be increased almost indefinitely and a break is pretty likely to follow. One very provoking outcome, if the perpetrator happens to be unobserved, is his releasing the pressure when he feels the vise "give" and thus knows that a fracture has been started, taking his work somewhere else and leaving his damage to be uncovered by the next user of the tool, who truthfully reports that the vise broke under very little strain. Another fruitful cause of breakage is the clamping near one end of a long piece of work which may thus have considerable overhang. Many times the operator, instead of hunting up a stick or other support to keep the free end from dropping will attempt

PRENTISS CO.

to hold it by excessive pressure between the vise jaws; and if in that condition the operation may involve any considerable hammering, the service exacted of that vise is most severe. One cause of minor breakage is the clamping of a hard piece of metal so that the pressure is concentrated upon a small area near the margins or corners of the hardened jaw faces; and if the jaw is hardened enough to resist battering or indentation, a piece is almost sure to be broken out, leaving an unsightly notch.

A very common fault with vise users is the failure to keep the screw lubricated. We have seen many vise nuts in which the thread had practically disappeared. The front jaw should be occasionally detached from the vise, turned over, and the screw lubricated its entire working length. When this is done at reasonable intervals the screw and nut will wear indefinitely.

Treat your vises as you would treat any good tool in your shop, and your expense for replacements will be negligible.

PRENTISS VISE COMPANY

In presenting our Fiftieth Catalogue and Price List of Vises, we believe that you will find something in our large and complete line exactly suited to your requirements, whatever they may be.

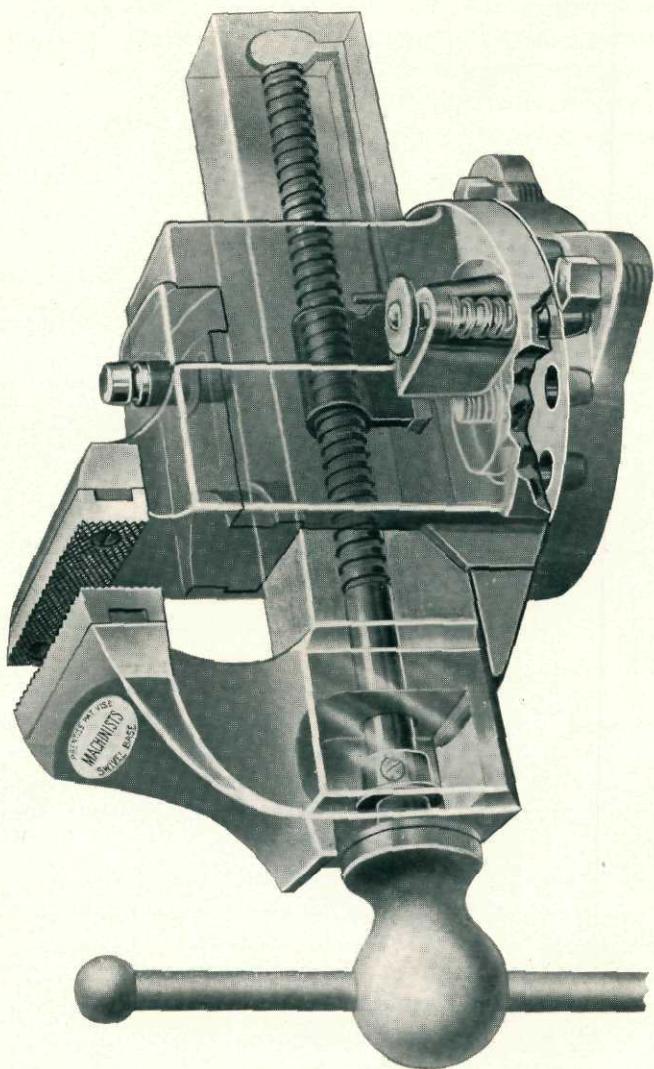
Our forty years experience in making vises exclusively has taught us how to make the best. When you purchase a Prentiss Vise you have the benefit of all we have learned in that time.

The Prentiss Patent Adjustable Jaw Vises and other vises of our manufacture have been widely imitated in appearance but we have yet to find a vise that equals them in quality. Our name on a vise is a guarantee that it is the best of its kind.

When you order a Prentiss Vise we believe that you want a Prentiss. All genuine Prentiss Vises are plainly marked with our Name or one of our Registered Trade Marks. Look for our Name and Catalogue Number and make sure that you get what you order. Telegraphic Code Words will be found with each price list, and also on last page.

VISES CO.

JOE PRENTISS CO.



Internal View Prentiss Patent Self-Adjusting Jaw Vise

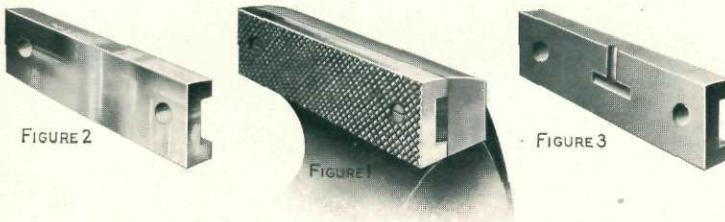
The Prentiss Vise

The illustration on the preceding page represents in detail an interior view of the mechanism of the Prentiss Patent Self-Adjusting Jaw Vise.

The Back Jaw of this Vise Automatically Adjusts Itself and makes firm an object of Any Shape. With back jaw pin inserted, it becomes a Parallel Solid Jaw Vise. The Self-Adjusting Jaw resting and working as it does upon and against the Solid Body of the vise, is thereby rendered absolutely as strong and durable as a Solid Jaw.

Our Patent Swivel Bottom enables operator to instantly adjust vise Right or Left, at will, by means of ratchet pin on side of vise, rendering it solid and firm at any desired angle.

The "Prentiss Patent" is the strongest and most durable Self-Adjusting Jaw Vise in the market.



Patent Detachable Steel Jaw Faces

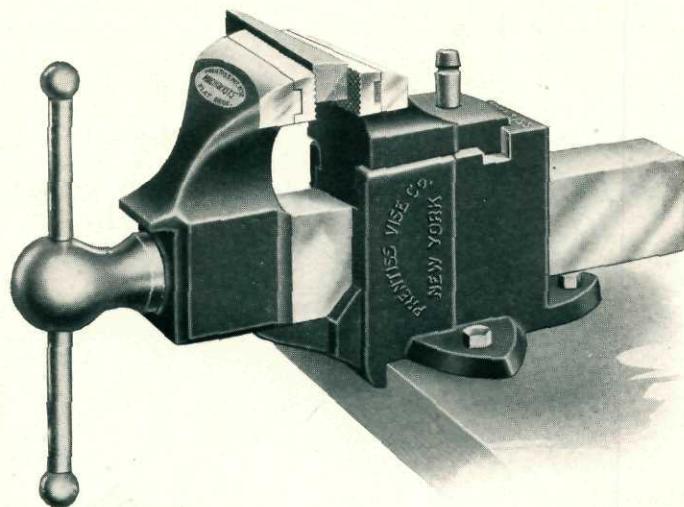
After a thorough trial in severe service we have adopted for nearly all our Machinists' Vises, a detachable steel face for the vise jaws. Our manner of attaching them is such that the facing is absolutely as solid and immovable as is provided by the old process of welding. We have never known one to work loose in service.

The detachable feature moreover provides for many desirable ends. We are enabled thereby to secure a much more effective serrated surface, where a rough surface is desired, and the user of a vise may be provided with both Rough, as regularly furnished (see Figure 1), and Smooth jaw faces (see Figure 2), exchanging them whenever desired. We can also supply such faces unhardened so that they may be recessed or fashioned to suit any particular job—the holding of small pieces for drilling, etc. (see Figure 3).

Extra jaws are supplied at very reasonable prices and a spare pair of smooth jaws obviates the necessity for soft caps which are frequently a source of annoyance.

Prentiss' Patent

IRON-WORKERS' VISES



C-L, +0%

Stationary Bottom
Machinists' Self-Adjusting Jaw Vise

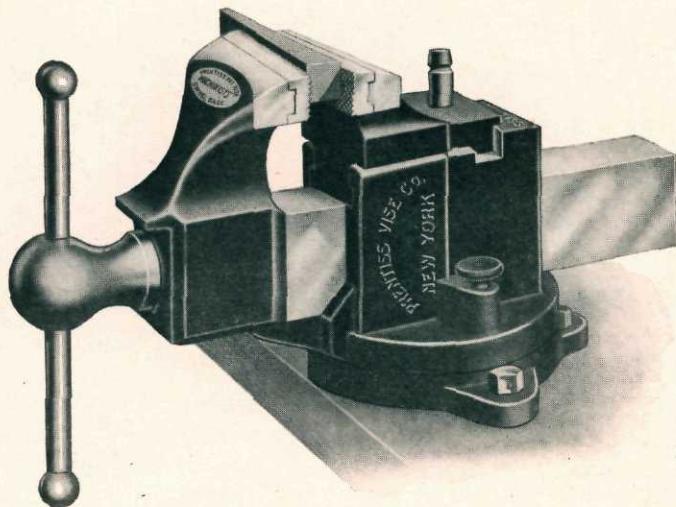
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
1	\$5.50	2 5/8	3 1/2	13 1/2	White
2	7.00	3 1/2	4 3/4	28	Green
2 1/2	9.00	4	5 1/4	41	Grey
3	10.50	4 1/2	6	54	Blue
4	17.00	5 1/4	8	96	Black
5	24.00	6	9	146	Red
6	30.00	7	11	184	Brown

Patent Detachable Steel Jaws—See Page 7

PRENTISS

Prentiss' Patent

IRON-WORKERS' VISES



Patent Swivel Bottom

Machinists' Self-Adjusting Jaw Vise

C-L, +0%

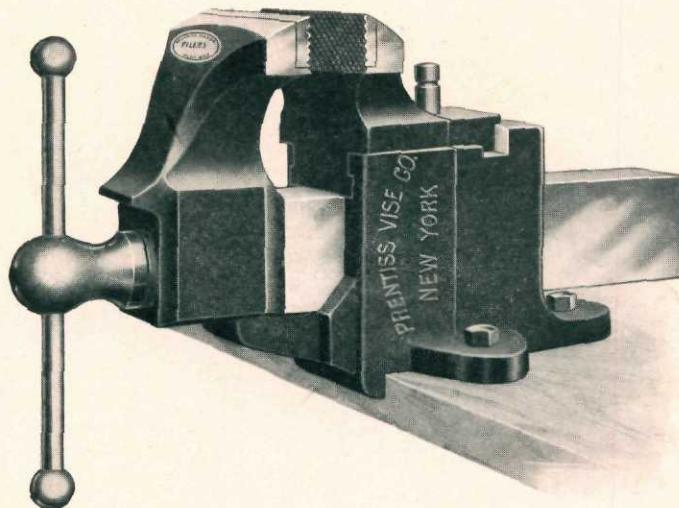
Vise No.	List Price	Jaws inches	Opens inches	Weight Lbs.	Code Word
18	\$6.75	2 $\frac{5}{8}$	3 $\frac{1}{2}$	17	Office
19	8.50	3 $\frac{1}{2}$	4 $\frac{3}{4}$	32	Shop
19 $\frac{1}{2}$	10.50	4	5 $\frac{1}{4}$	46	Engine
20	12.50	4 $\frac{1}{2}$	6	65	Mill
21	19.00	5 $\frac{1}{4}$	8	109	Factory
22	27.00	6	9	168	Foundry
23	35.00	7	11	207	Forge

Steel Jaw Faces Interchangeable—See Page 7

PRENTISS

Prentiss' Patent

FILERS' or FINISHERS' VISE



Stationary Bottom

Filers' Self-Adjusting Jaw Vise

C-L-1090

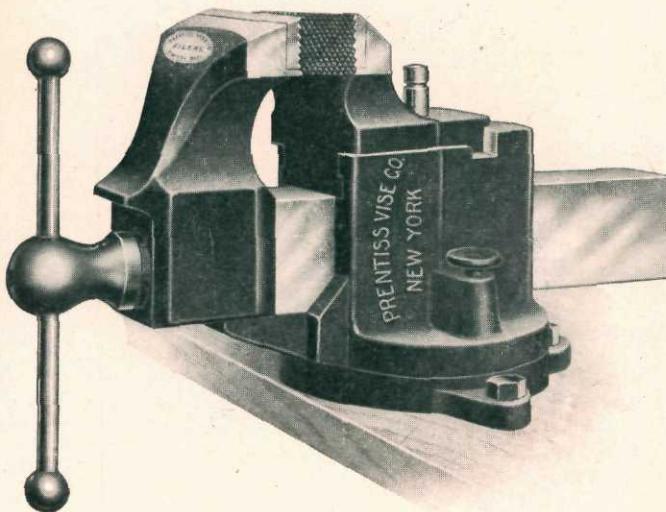
These implements were especially designed and introduced to satisfy demand for a vise of this class, embracing the advantages of our Patent Self-Adjusting Jaw and Patent Swivel Bottom. The peculiarities of its construction are **lean, high jaws, long arm and large throat.**

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
42	\$8.00	4 1/4	5 1/4	42	File

PRENTISS

Prentiss' Patent

FILERS' or FINISHERS' VISE



Patent Swivel Bottom

Filers' Self-Adjusting Jaw Vise

C-L. +0%

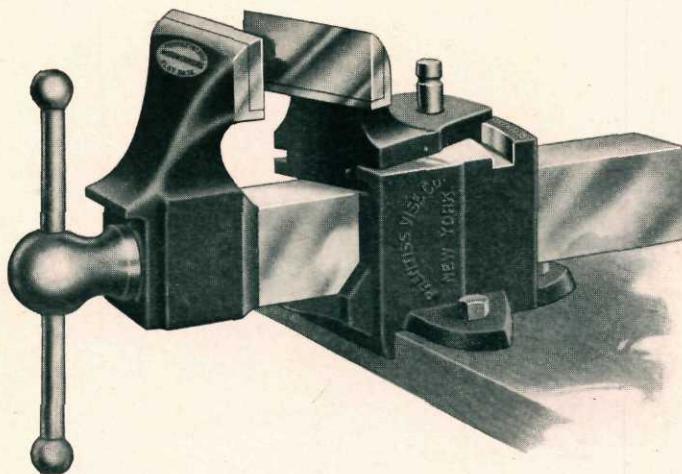
The Prentiss design makes this vise strong and durable, as well as convenient for use. It is equipped with the Prentiss Patent Swivel Bottom, which has for many years been most satisfactory. Rough cut or smooth jaws, as desired.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
47	\$10.00	4 1/4	5 1/4	47	Rasp

VISES

Prentiss' Patent

WOOD-WORKERS' VISES



Stationary Bottom

Coach-Makers' Self-Adjusting Jaw Vise

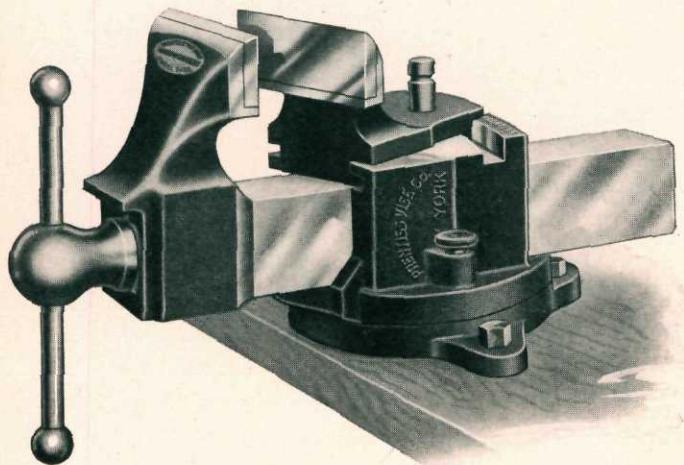
C-L, + 0%

Our "Coach-Makers'" Vises, which are constructed upon the same principles as the Iron-Workers' before described, are acknowledged to possess many advantages over any other yet offered for use of Car and Carriage-Builders, Furniture Manufacturers, Pattern Makers and all Wood-Workers.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
12	\$8.00	3½	7	30	Ash
10	11.00	4½	9½	59	Maple

PRENTISS' PATENT

WOOD-WORKERS' VISES



Patent Swivel Bottom

Coach-Makers' Self-Adjusting Jaw Vise

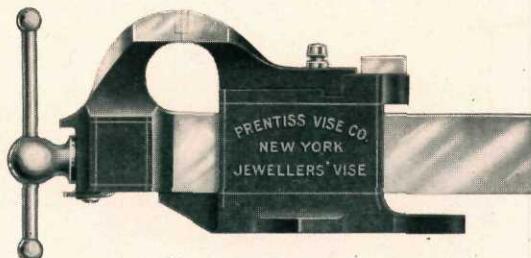
C-L, +0%

Our Self-Adjusting Jaw, combined with the Patent Swivel Bottom, makes the best vise ever offered artisans in wood, the large surfaces of the jaws (which are finished perfectly smooth) protecting the work from injury, while the Self-Adjusting Jaw easily and firmly holds articles of any shape.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
27	\$9.50	3½	7	34	Beach
26	13.00	4½	9½	67	Oak

PRENTISS' PATENT

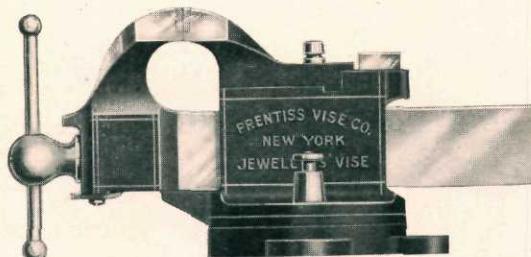
Self-Adjusting Jaw Jewellers' Vises



C-L. + 0% Stationary Bottom

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
30	\$3.50	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	Lead
31 (Nickelated)	5.75	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	Silver
32	4.00	2	2	3 $\frac{1}{2}$	Brass
33 (Nickelated)	6.50	2	2	3 $\frac{1}{2}$	Bronze

Cast Steel Square Anvil Raised at Back of Body

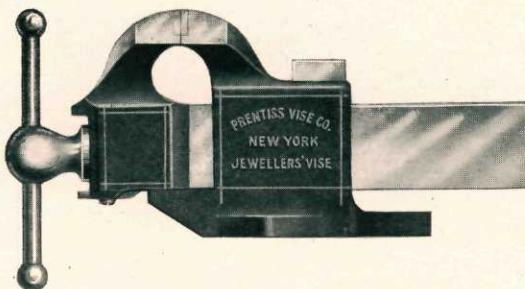


C-L. + 0% Patent Swivel Bottom

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
35	\$4.50	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2	Copper
36 (Nickelated)	6.75	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2	Gold
37	5.00	2	2	4 $\frac{1}{2}$	Iron
38 (Nickelated)	7.50	2	2	4 $\frac{1}{2}$	Nickel

Jaws Rough Cut or Smooth as Desired

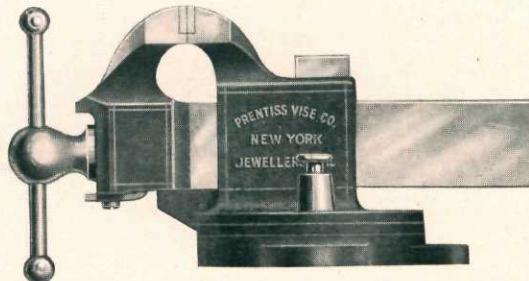
PRENTISS' PATENT
Solid Jaw Jewellers' Vises



C-L. + 0% Stationary Bottom

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
34.....	\$3.00	2	2	2	Metal
34½(Nickled)	4.75	2	2	2	Steel

Cast Steel Square Anvil Raised at Back of Body



C-L. + 0% Patent Swivel Bottom

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
39.....	\$4.00	2	2	2¾	Zinc
39½(Nickled)	5.75	2	2	2¾	Tin

Jaws Rough Cut or Smooth as Desired

HANDY VISES

Best Materials. Finest Finish.

Jaws Milled and Cut. Unequalled for Jewellers.

Handsomest Vises Made.

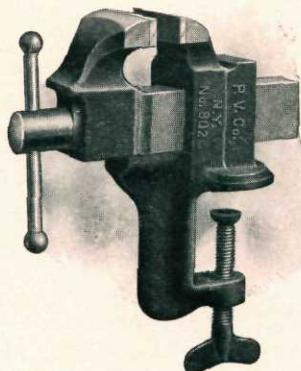


Table Clamp Vises.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
800.....	\$1.60.....	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	Hang
801.....	2.25.....	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{3}{4}$	Hard
802.....	3.50.....	2.....	2.....	6.....	Harp

Prentiss'

SOLID JAW PARALLEL VISES

"BULL DOG"

(Registered in U. S. Patent Office)

Our **Solid Jaw** parallel **Machinists', Blacksmiths' and Wood-Workers'** Bench Vises are well known everywhere under the trade name "**Bull Dog,"** and enjoy an enviable reputation for finest quality in all respects.

In manufacturing the "**Bull Dog**" Vises only the best of materials, workmanship, and improved machinery are used, and in style, finish, strength and durability, we believe them to be far superior to any vises of this class.

The "**Bull Dog**" Vises are equipped with our **Patent Detachable Steel Jaws**, which insure maximum holding power with moderate pressure on work. See Page 7 for description of Steel Jaw Faces, and advantages of having Interchangeable Jaws.

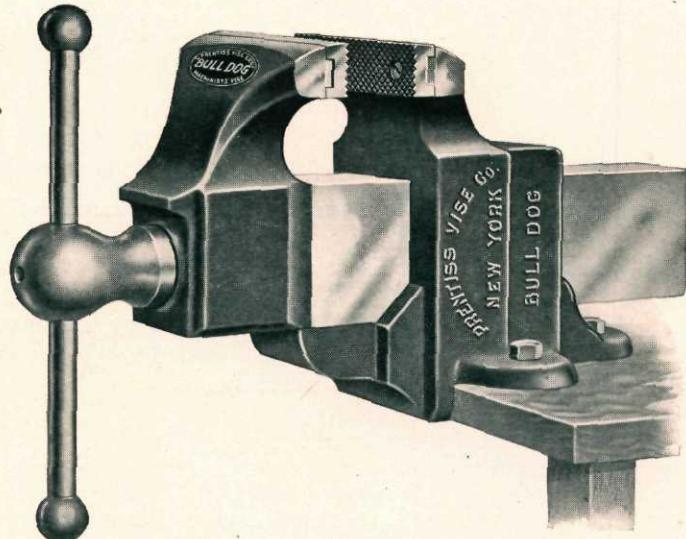
All Parts Duplicated on Call.

JOHNSON'S APPRENTICE

Machinists'

"BULL DOG" VISES

(Registered in U. S. Patent Office)



Cook BA-BA of

Stationary Bottom Machinists' Solid Jaw, Parallel Vise

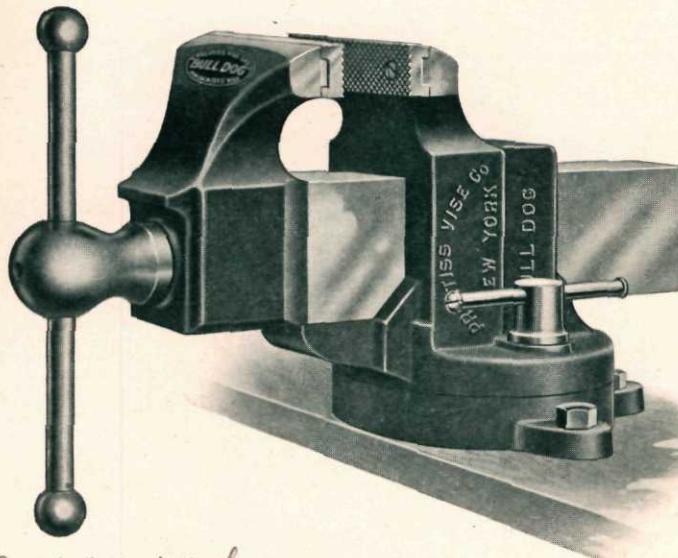
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
50	\$6.00	3 1/4	4	22	Base
51	7.00	3 5/8	5 1/2	28	Strike
52	8.50	4 1/8	6	42	Ball
53	10.00	4 5/8	7	52	Fly
54	13.00	5	8	72	Catcher
55	18.50	5 1/2	9	100	Bat
56	25.00	6	10	135	Run
57	37.50	7	12	210	Plate

Patent Detachable Steel Jaws—See Page 7

JOHNSON'S APPRENTICE

Machinists'**"BULL DOG" VISES**

(Registered in U. S. Patent Office)

*Cost BA-BA of*

**Swivel Bottom
Machinists' Solid Jaw, Parallel Vise**

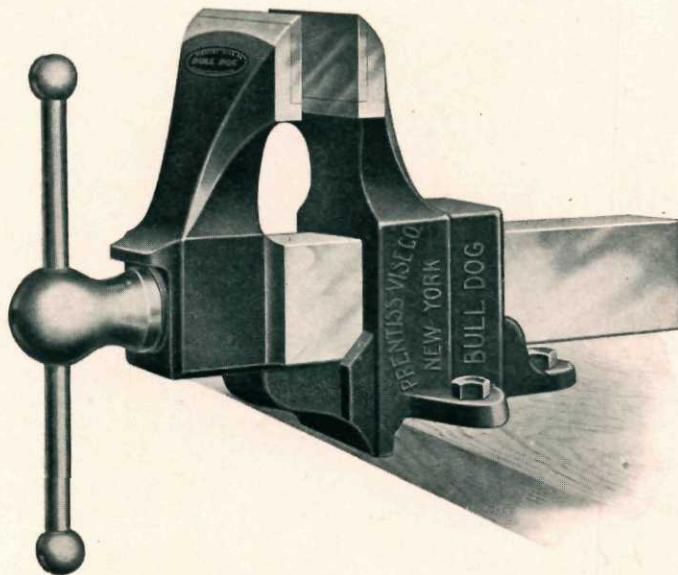
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
90	\$7.50	3 1/4	.4	28	Rod
91	8.75	3 5/8	5 1/2	36	Gun
92	10.50	4 1/8	6	52	Rifle
93	12.50	4 5/8	7	64	Line
94	16.00	5	8	85	Hook
95	22.00	5 1/2	9	115	Leader
96	30.00	6	10	155	Basket
97	42.50	7	12	235	Sinker

Steel Jaw Faces Interchangeable—See Page 7

Wood-Workers'

"BULL DOG" VISE

(Registered in U. S. Patent Office)



Cost BA-BA-a

Stationary Bottom
Coach-Makers' Solid Jaw, Parallel Vise

The above is a medium sized Wood-Workers' Vise designed for the use of Carriage and Wagon Makers, Pattern Makers and Wood-Workers generally.

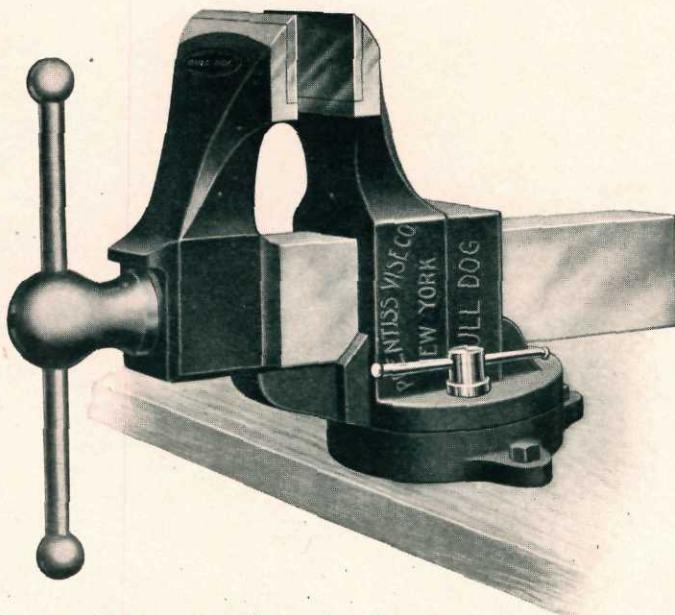
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
59	\$9.50	4 1/4	9	48	Pitcher

JOHN P. REINHOLD & SONS

Wood-Workers'

"BULL DOG" VISE

(Registered in U. S. Patent Office)

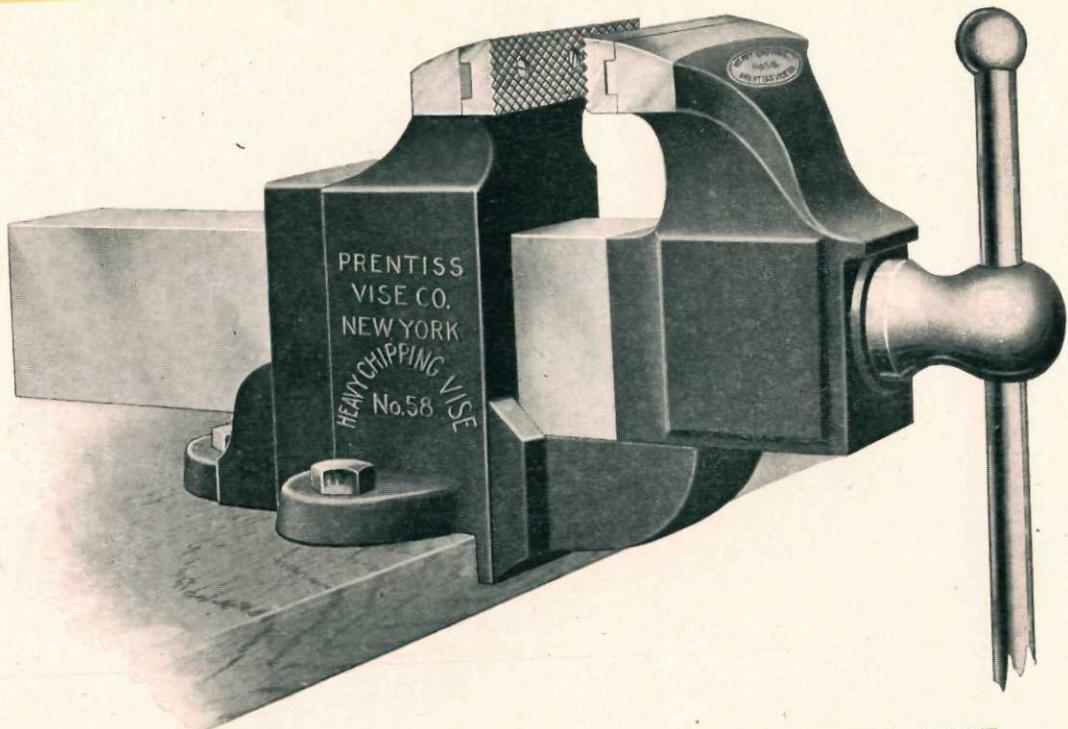


Cost BA + BA²/o

Swivel Bottom Coach-Makers' Solid Jaw Parallel Vise

Our "Bull Dog" Wood-Workers' Vises have very high jaws, allowing the operator more room for holding work than is provided in the vises of other makers.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
99	\$11.50	4 1/4	9	58	Trout



PRENTISS VISE COMPANY'S HEAVY CHIPPING VISE

PRENTISS VISE COMPANY

VISE MANUFACTURERS

106-110 LAFAYETTE STREET

NEW YORK, N. Y. March 12, 1917

We herewith send you a copy of our new Catalogue of Prentiss Vises—the Fiftieth Edition, to which we invite your attention.

You will find some changes and additions to our line, the principal addition being six new numbers in the "Monarch" list. These small vises Nos. 207-212 have replaced the "Handy" bench vises Nos. 803-808.

The discount sheet you have on file dated December 12th, 1916, applies to this catalogue.

Prentiss Vise Company

Prentiss Vise Company's

HEAVY CHIPPING VISE

The Solid Jaw Heavy Chipping Vise, illustrated on the preceding page, is made especially to supply the demand for a vise of this class for use in Railroad and Machine Shops, Foundries, Glass Works, Mills and Large Manufactories.

Our No. 58 has become known as the **Strongest Vise** in the market, and possesses all requisites to meet the heavy demands such as an implement may be expected to have made upon it.

The deeply serrated **Detachable Steel Jaws**, with which this vise is equipped, have greatly added to its strength. See Page 7 for full description.

Cost BA - B.A. of.

PRICE

No. 58.....\$50.00

8½ in. Jaws. Opens 12 in. Weight 275 lbs.

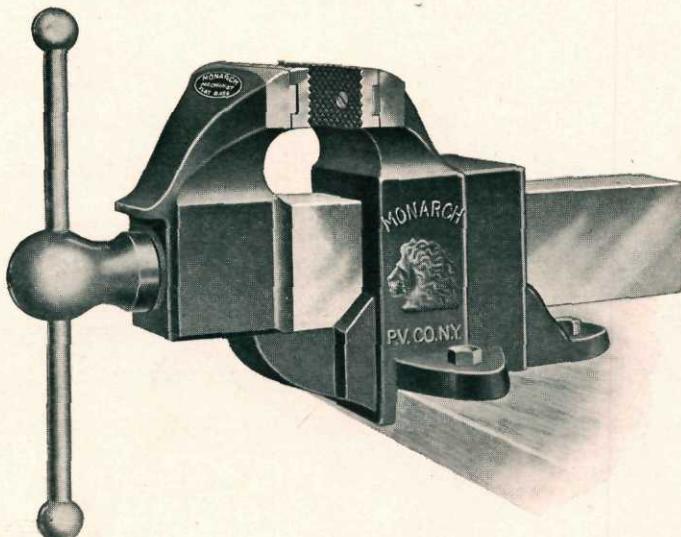
Code Word—Home

Swivel Bottom Attachment for above.....\$5.00

Described on Page 32

"Monarch"

(Registered in U. S. Patent Office)

MACHINISTS' VISES

Cost \$14.00. **Stationary Bottom
Machinists' Solid Jaw, Parallel Vise**

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
207	\$4.25	2	2	4½	Mow
209	4.75	2½	3	9	Mouth
211	5.25	3	3½	13	Moon
213	6.00	3½	4	22	Mace
215	7.00	4	5	28	Maid
217	8.50	4½	5½	42	Magnet
219	10.00	5	6½	52	Mantle
221	13.00	5½	7½	72	March
223	18.50	6	8½	100	Mate
225	25.00	6½	9½	135	Medal

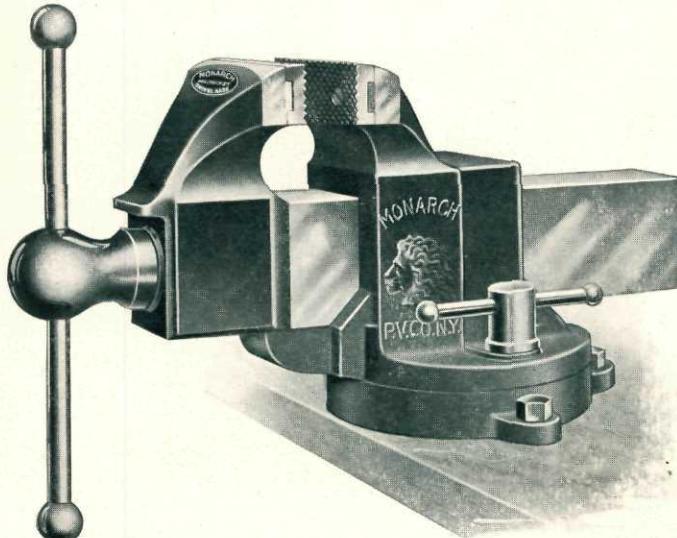
Patent Detachable Steel Jaws—See Page 7

TOP PRACTITIONERS

"Monarch"

(Registered in U. S. Patent Office)

MACHINISTS' VISSES



Cost 24.90.

Swivel Bottom Machinists' Solid Jaw, Parallel Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
208	\$5.25	2	2	6½	Mix
210	5.75	2½	3	12	Mire
212	6.50	3	3½	17	Milk
214	7.50	3½	4	28	Magic
216	8.75	4	5	36	Man
218	10.50	4½	5½	52	Malt
220	12.50	5	6½	64	Marble
222	16.00	5½	7½	85	Mash
224	22.00	6	8½	115	Meal
226	30.00	6½	9½	155	Mole

Steel Jaw Faces Interchangeable—See Page 7

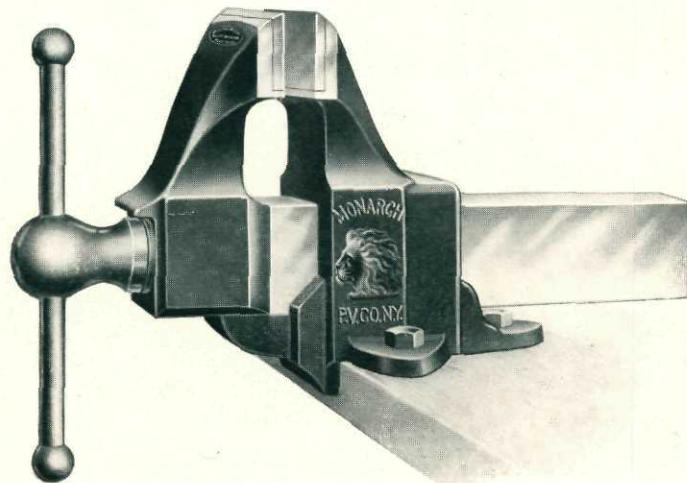
TOP VISES

PROPERTY OF

"Monarch"

(Registered in U. S. Patent Office)

WOOD-WORKERS' VISES



Cost 24 A do

Stationary Bottom Coach-Makers' Solid Jaw, Parallel Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
229	\$9.50	4 1/2	9	.48	Musket
231	15.00	5	12	.66	Music

Note Large Size Wood-Workers' Vises

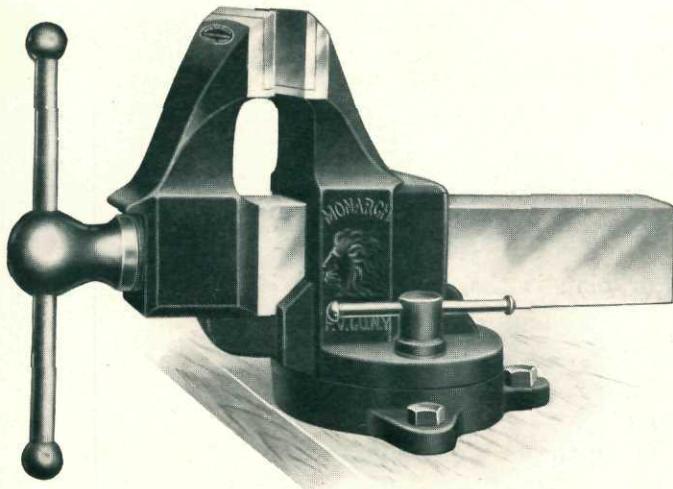
PROPERTY OF

100 PRINTERS' VISES

"Monarch"

(Registered in U. S. Patent Office)

WOOD-WORKERS' VISES



Cost 24.00.

Swivel Bottom

Coach-Makers' Solid Jaw, Parallel Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
230	\$11.50	4½	9	58	Muff
232	17.50	5	12	76	Mutton

Large Wood-Workers' Vises Convenient for Heavy Work

100 VISES

Prentiss' Patent

RAPID TRANSIT VISES

Attention of the trade, manufacturers and mechanics is called to the **Prentiss Vise Company's** superior **Rapid Transit Bench Vise**.

This vise has outlived numerous styles of so-called quick-acting vises, and is giving better satisfaction than any such vise ever offered.

STRONGEST QUICK-ACTING VISE MADE

Our plan is the best method for Rapid Transit movement offered and can be operated as a first-class Parallel Screw Vise, **Entirely Independent** of the Rapid Transit movement, if so desired.

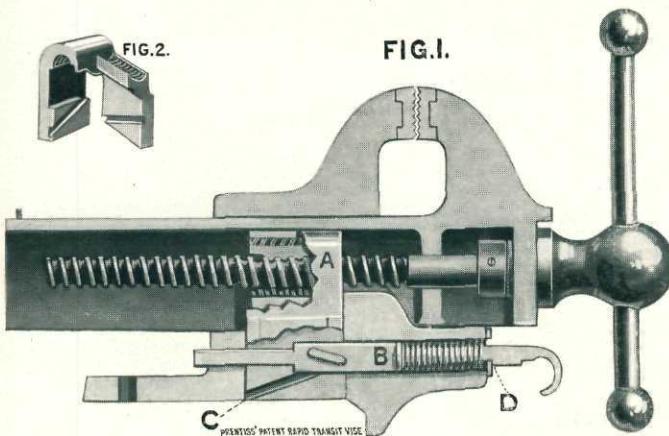
Among the rare advantages embraced in our new Rapid Transit Vise, all of which are self-apparent at sight, are extreme simplicity, strength and durability of the **Plan**—the very limited number of parts (there being actually only two pieces more in our Rapid Transit Vise than in an ordinary screw vise),—the positive action, great strength and firmness of the nut when locked.

By a single movement this vise may be opened or closed full length, and the nut will engage the screw at any point.

This is the only quick-action vise having **full nut**.

In addition to the other advantages, these vises are equipped with our **Patent Detachable Steel Jaws**, described on Page 7.

PRENTISS' PATENT RAPID TRANSIT PARALLEL VISES



The above is a sectional view of the mechanism of our New Patent Rapid Transit Invention.

DESCRIPTION

Figure 1 represents half section of vise cut lengthwise through all parts.

A is one-half of our Rapid Transit Nut in place, disengaged from the screw.

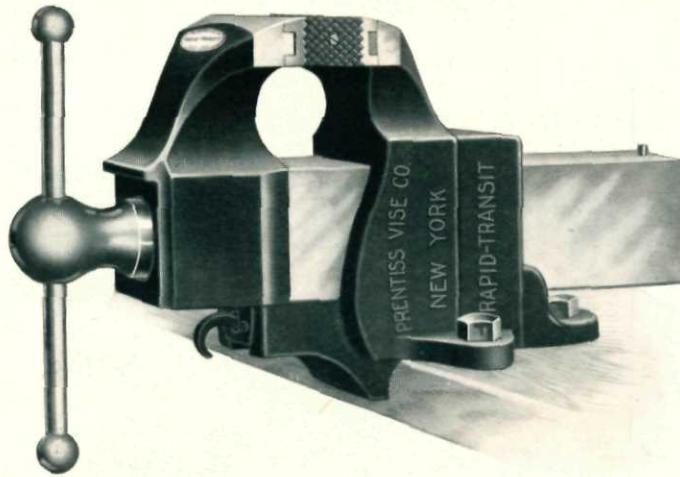
B is an **Operating Bar** carrying two **Inclines or Ledges** (all one piece), by which the nut is both opened and closed, and by the same movement is **firmly locked**.

C shows **Groove** in which **Incline** travels, thereby forcing one-half nut up and the other down simultaneously, on moving the **Bar** to front or rear one-half inch. Grooves shown plainly in Figure 2.

D is a **Ratchet Catch** on operating bar, which, when engaged, holds nut open.

Figure 2 shows the whole nut detached.

Prentiss' Rapid Transit MACHINISTS' VISSES



Cost 0.00

Machinists' New Rapid Transit Vise

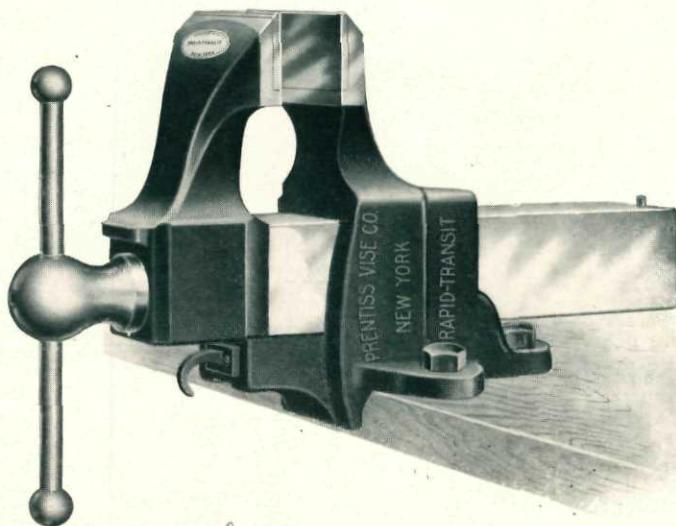
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
70	\$6.50	3	3½	22	First
71	8.00	3¾	4½	33	Second
72	11.00	4¼	5½	54	Third
73	13.50	4¾	6½	65	Short
74	19.00	5½	8	98	Left
75	28.00	6½	9½	150	Centre

For price Swivel Bottom Attachments see page 32.

Patent Detachable and Interchangeable Steel
Jaw Faces—See Page 7

JOE PRENTISS CO.

Prentiss' Rapid Transit WOOD-WORKERS' OR COACH-MAKERS' VISE



Cost 090.

Coach-Makers' New Rapid Transit Vise

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
76.....	\$11.50.....	4 1/4.....	9.....	55.....	Right

Swivel Bottom Attachment for above \$1.75

See Page 32

JOE VISE CO.

TOPPENHISCH

Swivel Bottom Attachments for RAPID TRANSIT VISES



Cost 0 90.

Swivel Bottom

The above represents our **Swivel Bottom Attachment**, by use of which all sizes of our Stationary Bottom Rapid Transit Vises may be changed into first-class Swivel Bottom Vises.

The Swivel Plate Attachments, with bolts and nuts complete, are sold separate for the above named vises only, and can be applied at any time.

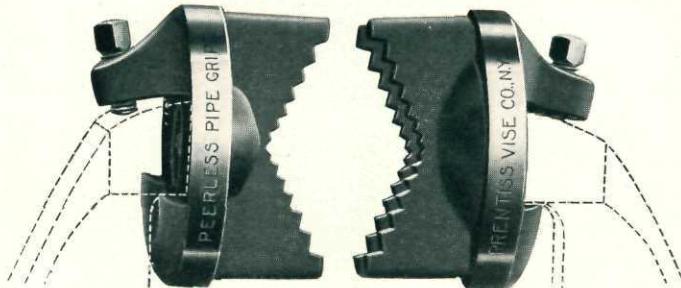
In ordering Swivel Attachment give NUMBER OF VISE for which it is required.

PRICE LIST FOR SWIVEL BOTTOMS
Including Bolts and Nuts

For Vise No. 70.....	\$1.00
For Vise No. 71.....	1.50
For Vise Nos. 72 and 73.....	1.75
For Vise No. 74.....	2.50
For Vise No. 75.....	3.25
For Vise No. 76.....	1.75

TOPPENHISCH

New Peerless
PATENT PIPE GRIP



New Improved (Swivel Jaw) Pipe Grip "Peerless"

Cost 24¢ each.
Made of Steel

- No. 1. Fits any 3 to 4½ inch vise, Price \$2.50
Will hold ¼ to 2½ inch pipe.
- No. 2. Fits any 4¾ to 5½ inch vise, Price \$2.75
Will hold ¼ to 5 inch pipe.
- No. 3. Fits any 6 to 8½ inch vise, Price \$3.00
Will hold ¼ to 6 inch pipe.

Instantly Converts any Vise Into a First-Class Pipe Vise

BRASS FINISHING CAPS

For Vise Jaws



C-L.

These Caps Are Fully Finished and Handsomely Polished

To Fit Jaws	Price per Pair	To Fit Jaws	Price per Pair
1¾, 2, 2½ inch	\$.65	4¾, 5, 5¼ inch	\$1.25
3, 3¼, 3½ "	.80	5½ "	1.75
3½, 4, 4½ "	1.00	6 "	2.50
4½, 4¾ "	1.10	6½ "	3.00

JOE PRENTISS CO.

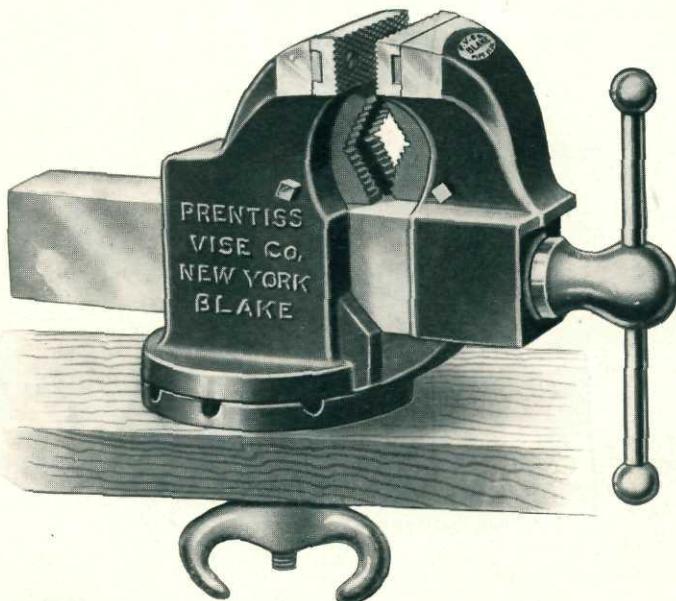
SWIVEL BOTTOM

BLAKE PIPE VISE

(Registered in U. S. Patent Office)

Strongest Combination Pipe Vises Made

**These Vises are Fitted With New Patent Detachable
and Interchangeable Steel Jaw Faces**



Cast No. 90

Swivel Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
181	\$16.00	3 1/2	1/8 to 2 1/2	55	Plug
182	22.00	4 1/4	1/8 to 3	80	Pipe
182 1/2	32.00	5	1/8 to 4	120	Tube

Patent Detachable Steel Jaws—See Page 7

JOE VISE CO.

JOHN PRENTISS CO.

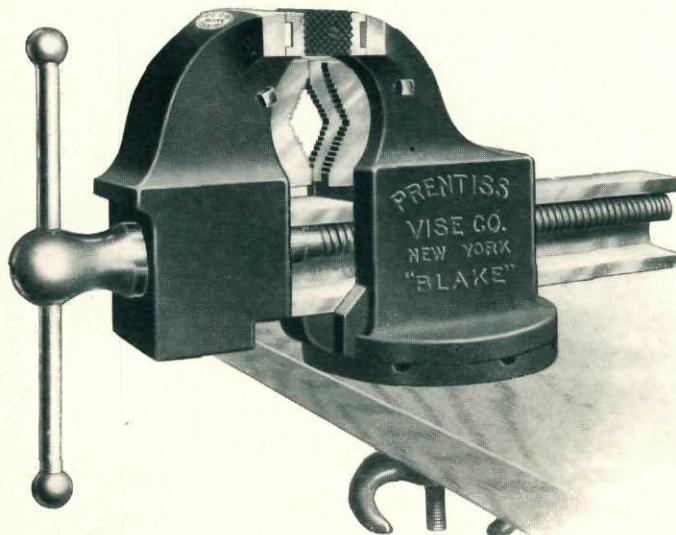
SWIVEL BOTTOM

BLAKE PIPE VISE

(Registered in U. S. Patent Office)

Extra Strong and Heavy Combination Pipe
Vises for Large Pipe

Wrought Steel Sliding Bar Cannot Break



Cost NO. 90.

Swivel Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
183.....	\$45.00	6.....	1/8 to 6.....	185.....	Elbow
185.....	60.00	7.....	1/8 to 8.....	240.....	Union

Steel Jaw Faces Interchangeable and Renewable

See Page 7

JOHN PRENTISS CO.

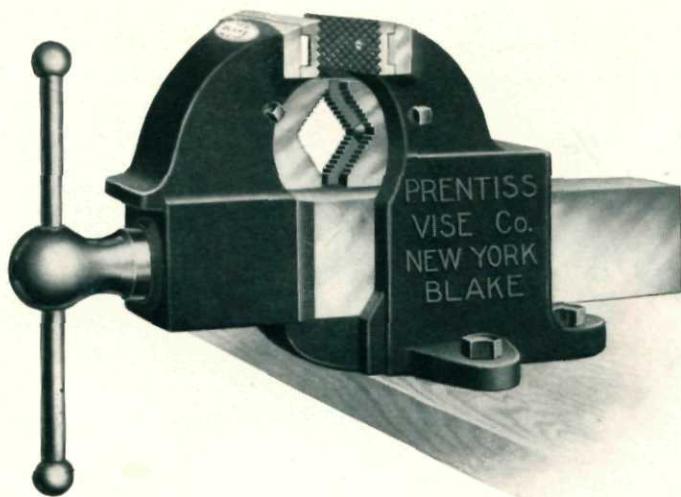
STATIONARY BOTTOM

BLAKE PIPE VISE

(Registered in U. S. Patent Office)

Pipe Jaws Are Reversible

Best Materials. Finest Finish.



Cost No. 190.
Stationary Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
191	\$16.00	3½	⅛ to 2½	45	Die
192	22.00	4¼	⅛ to 3	70	Valve
193	32.00	5	⅛ to 4	105	Gauge

Patent Detachable Steel Jaws—See Page 7

JOE PRENTISS CO.

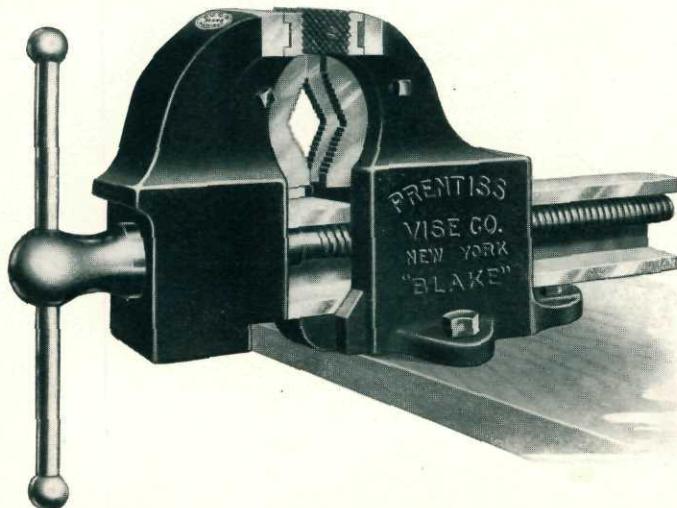
STATIONARY BOTTOM

BLAKE PIPE VISE

(Registered in U. S. Patent Office)

Wrought Steel Sliding Bar Cannot Break

Finest Steel Pipe Jaws



Cost No. 0.

Stationary Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
194.....	\$45.00.....	6.....	1/8 to 6.....	165	Coupling
195.....	60.00.....	7.....	1/8 to 8.....	220	Cross

Steel Jaw Faces Interchangeable and Renewable

See Page 7

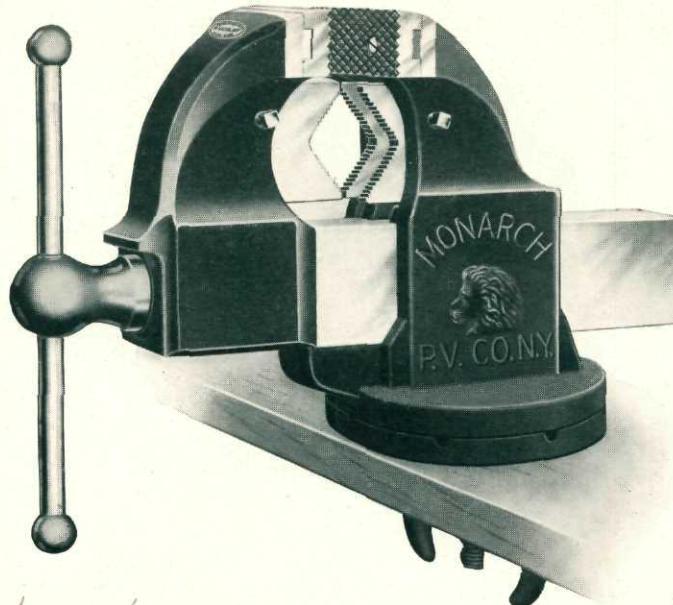
JOE P. REHN & SONS

COMBINATION PIPE VISE

"Monarch"

(Registered in U. S. Patent Office)

A Good Strong, Serviceable Combination
Pipe Vise
Swivel Base Guaranteed Not to Slip



Cost of a vise

Swivel Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
401	\$16.00	3 1/2	1/8 to 2 1/2	44	Matron
402	22.00	4 1/2	1/8 to 3	65	Master
403	32.00	5	1/8 to 4	110	Mastiff

Patent Detachable and Interchangeable
Steel Jaw Faces—See Page 7

JOE P. REHN & SONS

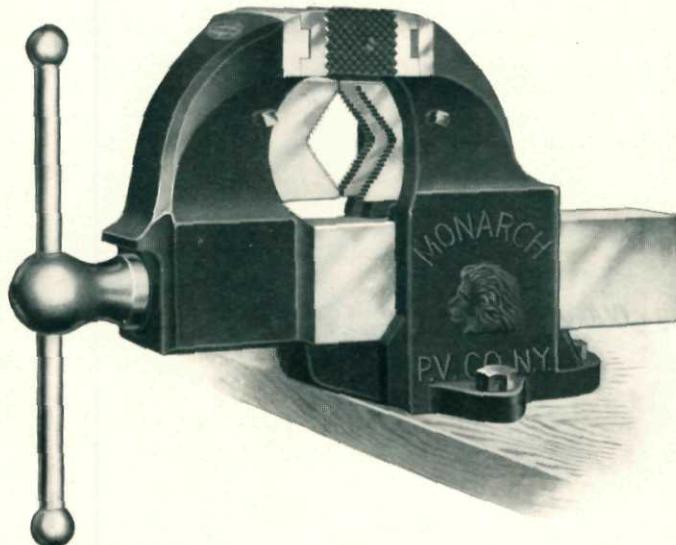
OFFICE OF THE
COMBINATION PIPE VISE

COMBINATION PIPE VISE

"Monarch"

(Registered in U. S. Patent Office)

Pipe Jaws Cut and Milled from Best Quality of Steel, and
are Reversible, thus Giving Double Wear
Quality and Finish Unsurpassed



Cost of a set. Stationary Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
411	\$16.00	3½	⅛ to 2½	37	Mark
412	22.00	4½	⅛ to 3	55	Maze
413	32.00	5	⅛ to 4	95	Match

Patent Interchangeable and Renewable
Steel Jaw Faces—See Page 7

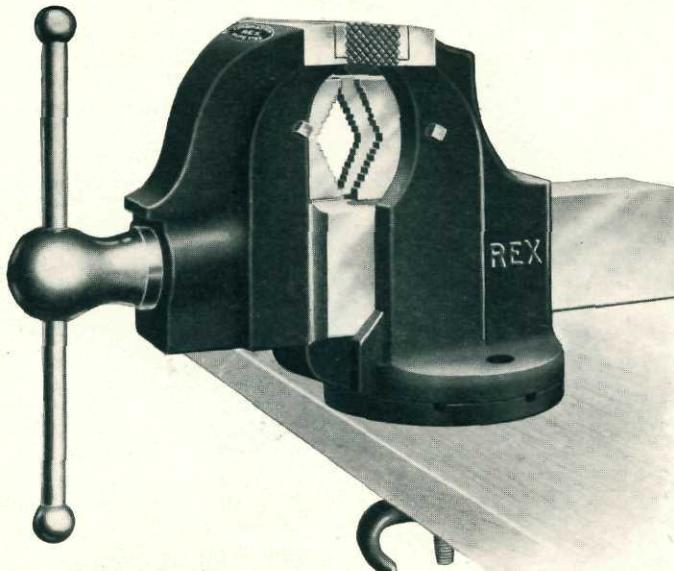
COMBINATION PIPE VISE

"Rex"

(Registered in U. S. Patent Office)

While these Vises Lack the High Finish for which All Prentiss Vises are Noted, They are Still Equal to the Best Goods of Many Makers. Construction and Quality of Materials Used are Good. Pipe Jaws Cut from Best Quality Steel.

The Swivel Base is Guaranteed Not to Slip



Catalog-09-09

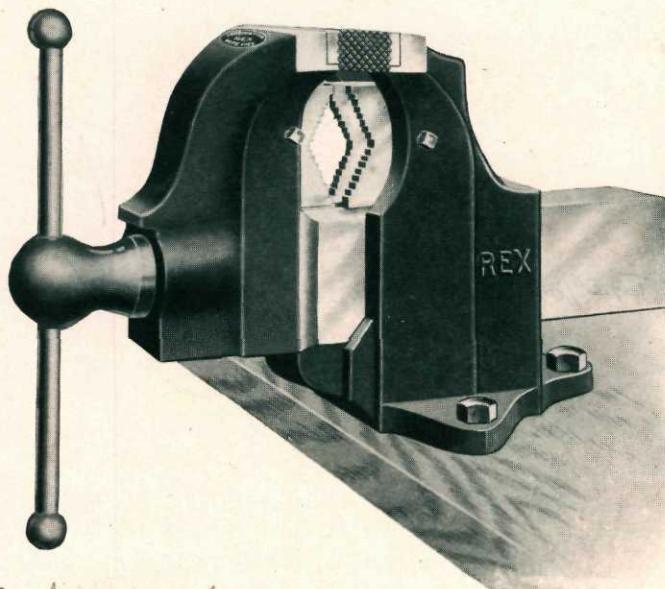
Swivel Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Code Word
700	\$10.00	2½	⅛ to 1	Road
700½	12.00	3	⅛ to 1½	Robin
701	16.00	3½	⅛ to 2	Round
702	22.00	4¼	⅛ to 3	Riser
703	32.00	5	⅛ to 4	Ring

COMBINATION PIPE VISE “Rex”

(Registered in U. S. Patent Office)

These Are Good Serviceable Tools, and Are Sold at
Extremely Moderate Prices, but Cannot be Reason-
ably Expected to Perform the Same Service as Our
High-class Vises Shown on Preceding Pages.



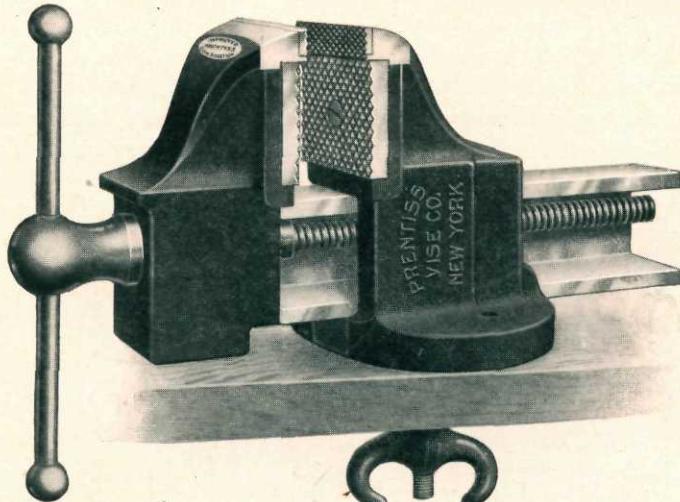
Cost 09-0%

Stationary Bottom

Vise No.	List Price	Jaws inches	Holds Pipe inches	Code Word
711	\$16.00	3½	⅛ to 2	Risk
712	22.00	4¼	⅛ to 3	Riot
713	32.00	5	⅛ to 4	Rival
704	45.00	6	⅛ to 6	Rope

THE PRENTISS CO.

Prentiss' Improved COMBINATION PIPE VISE



Cost No. 90.

Patent Applied For

Our Pipe Vise, as first constructed, has been in constant use during the last twenty-five years in the largest pipe establishments requiring such tools, and has given unqualified satisfaction. These vises have

"The Wrought Steel (Channel) Sliding Bar"

which makes them unbreakable and superior to all others.

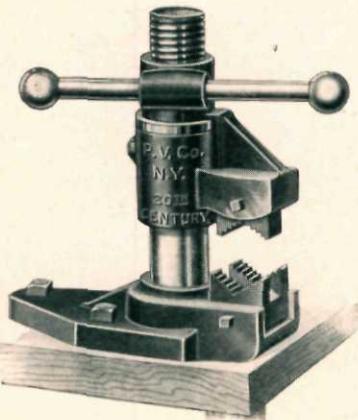
The "Grip Plates" are made of best steel, carefully tempered, and are deeply serrated at right angles, forming innumerable points.

These heavy steel plate pipe jaws are reversible and interchangeable, and are full width of vise, thereby giving greater holding contact, with much less pressure on the pipe, than with old style concave jaws.

Pipe may be held at various angles and a slight turn of lever releases it. Capacity greater than other vises.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
81	\$14.00	3½	⅛ to 2½	35	Snipe
82	20.00	4¼	⅛ to 4	55	Bear
83	30.00	5	⅛ to 6	100	Deer
84	50.00	6	⅛ to 8	172	Buck

PRENTISS' OPEN SIDE PIPE VISE



Patent Applied For

More Convenient and More Durable Than Old Style "Malleable Vise"
Can be Used on Bench or Post, in any Position

Finest Finish Best Materials

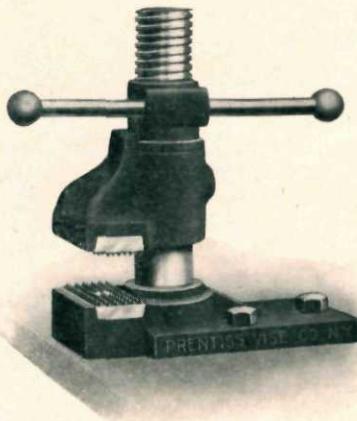
Cost NA 90.

PRENTISS' OPEN SIDE PIPE VISE

No. 85 Price \$5.00
Jaws $2\frac{3}{4}$ inches
Holds $\frac{1}{8}$ to 2 inch pipe
Weight 8 lbs.
Code Word—Flask

No. 86 Price \$7.50
Jaws $3\frac{1}{4}$ inches
Holds $\frac{1}{8}$ to 3 inch pipe
Weight 18 lbs.
Code Word—Fawn

No. 88 Price \$14.00
Jaws $4\frac{1}{4}$ inches
Holds $\frac{1}{8}$ to $4\frac{1}{2}$ inch pipe
Weight 40 lbs.
Code Word—Moose

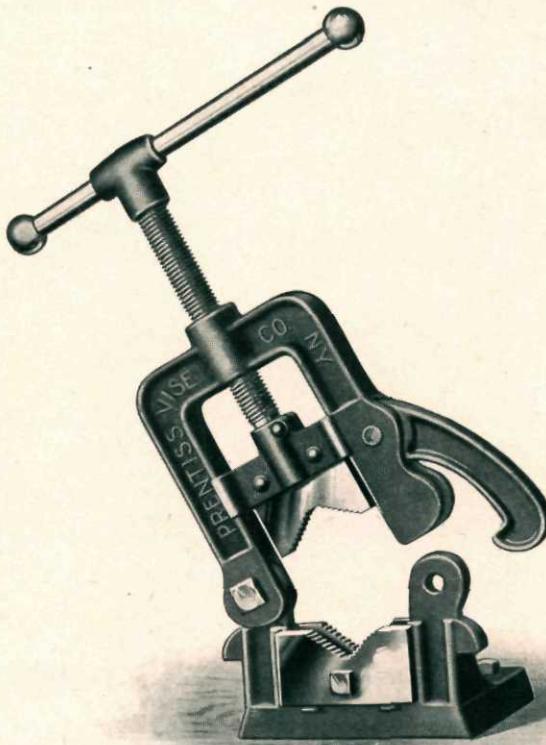


Patent Applied For

Same as 20th Century Pipe Vise Shown Above, With the Exception of
"Grip Plates". These Flat Plates Allow the Work to be
Held With Slight Pressure and at Any Angle

JOHN PRENTISS & SONS

Prentiss' Hinged MALLEABLE PIPE VISE



Best Malleable Iron
Finest Steel Jaws
These Vises Are Exceptionally Heavy
Handsomey Finished

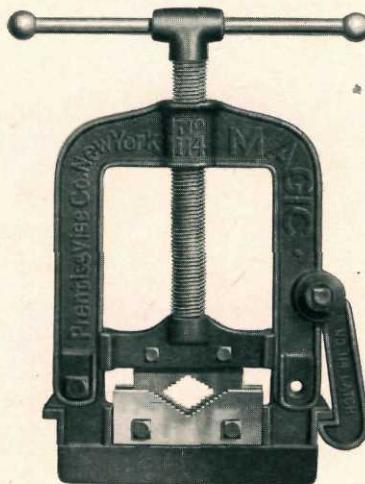
Vise No.	List Price	Cash Net	Holds Pipe inches	Weight lbs.	Code Word
B	\$5.00	<i>B.S.O.</i>	$\frac{1}{8}$ to $2\frac{1}{2}$	13	Zeal
C	7.25	<i>U.V.A.</i>	$\frac{1}{8}$ to 3	20	Zebra
D	12.50	<i>E.T.D.</i>	$\frac{1}{8}$ to $4\frac{1}{2}$	35	Zenith

PRENTISS' HINGED

MALLEABLE PIPE VISES

"Magic"

(Registered in U. S. Patent Office)



Handsomely Finished

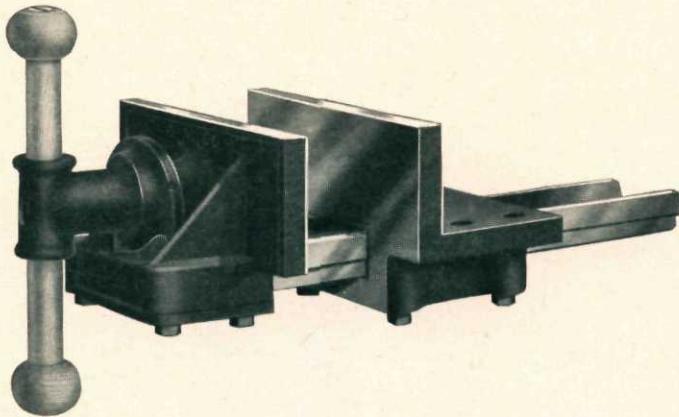
Best Malleable Iron, Finest Steel Jaws

Vise No.	List Price	Cash <i>net</i>	Holds Pipe inches	Weight lbs.	Code Word
110	\$3.50	D.N.A.	1/8 to 2	4 1/2	Jack
111	4.00	D.O.A.	1/8 to 2 1/2	9	Jest
112	6.25	U.E.A.	1/8 to 3 1/2	15	Jibe
113	8.75	E.N.A.	1/4 to 4 1/2	19	Jolt
114	22.50	I.O.A.	1 to 6	36	Jump

OF VISES TO:

The Blake

CABINET-MAKERS' VISE



Quick Acting Vise for Wood-Workers

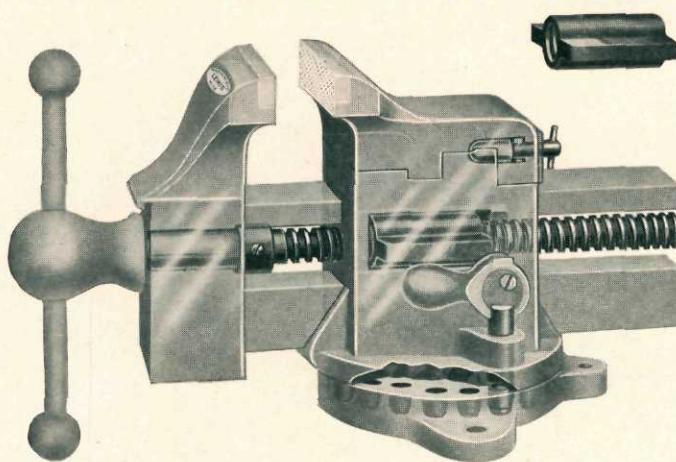
These vises are devised to be fastened underneath the work-bench, leaving jaw flush with top, and they are adapted to holding every description of wood-work.

They are the strongest, simplest and best rapid acting vises ever offered for the special use of Wood-Workers. Instant adjustment, quick release, no lost time. Guaranteed superior to any other.

Cost 24⁰⁰

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
612	\$7.00	8	8	33	Cedar
613	9.00	10	12	55	Walnut

Lewis' Patent STEEL SLIDE BAR VISES



Our Patent Double Steel Slide Bar Vises possess many improvements which overcome acknowledged defects in other styles of vises.

The slides are two flat bars of wrought steel, the upper bar being mounted above the screw with flat surface horizontal, while the other bar is below, having flat surface in perpendicular position to screw, by which arrangement we secure perfect resistance for the jaw, against both sidewise and downward strains and at same time provide against danger of breakage.

THE STEEL SLIDE BARS DO NOT BREAK.

The nut is fastened at centre, instead of bottom of vise, and always lines with screw, thus adding greatly to firmness of grip. The screw is well protected, but can be oiled without removing slide bars from body of vise.

We make both solid jaw vises and adjustable jaw vises, and with stationary or swivel bottom, as may be desired.

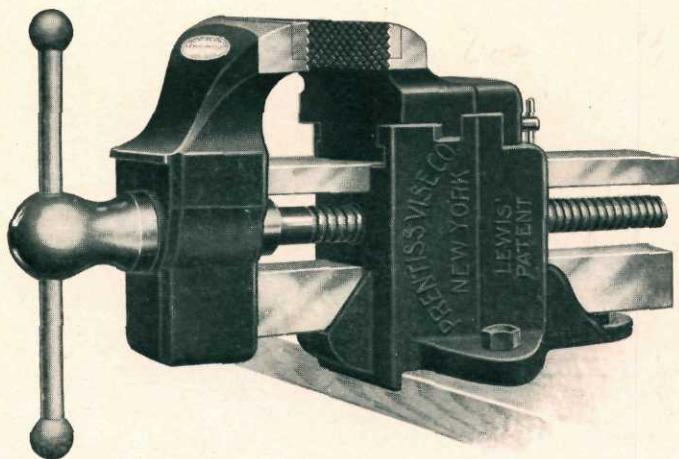
The strong construction of the adjustable jaw will be appreciated at a glance. The hub and supports are made extra strong. The locking-pin is placed at back of jaw, giving sufficient purchase to hold firmly with small strain on pin. The position of pin is entirely out of way, and prevents dirt from entering the hole. Loss of pin is impossible, as it is simply drawn back to shoulder, and not removed when out of lock. Only part of turn is required, after pin is pressed forward, to fasten the jaw firmly in place. The same movement reversed, unlocks, and allows jaw to adjust.

Our Patent Swivel Bottom is made with a heavy hub, which is part of the body of the vise, and which passes through bottom plate and takes most of the strain, the bottom set-screw and washer merely holding vise down to plate. They have heavy steel side-locking pins which are moved in or out by an eccentric, which prevents their being thrown out of lock by any possible strain on the vise, but are easily adjusted when desired, and do not depend upon a spring. This makes a strong and very convenient Swivel Bottom. All our vises are made of the best material, and are strictly first-class in workmanship and finish.

Lewis' Patent

SELF-ADJUSTING JAW VISES

For Machinists and Iron Workers Generally



Lewis' Patent Self-Adjusting Jaw Machinists'
Stationary Bottom Vises
Cost 1^h doz

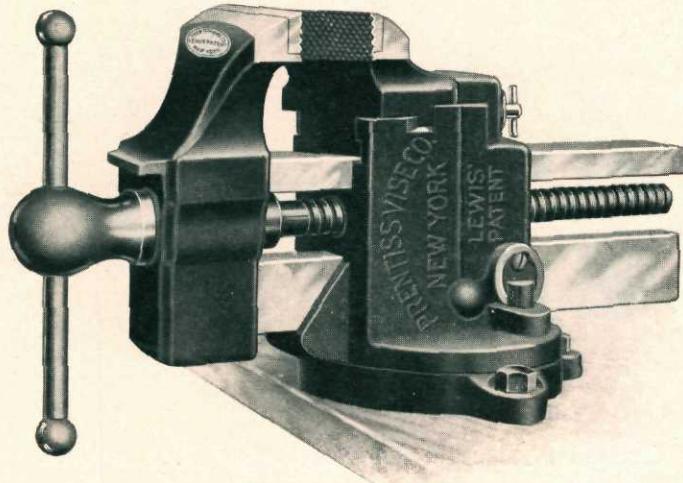
The Steel Slide Bars Do Not Break

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
903	\$5.50	2 $\frac{1}{2}$	3 $\frac{1}{2}$	18	Label
905	6.25	3	4	25	Lace
907	7.00	3 $\frac{1}{2}$	5	33	Lad
909	9.00	4	6	54	Ladle
911	10.50	4 $\frac{1}{2}$	7	70	Lag
913	16.00	5	8	105	Lake
915	18.00	5 $\frac{1}{2}$	9	125	Lame
917	24.00	6 $\frac{1}{2}$	10	165	Lance
919	30.00	7 $\frac{1}{2}$	12	198	Lantern

JOHNSON & CO.
PATENT VISES

Lewis' Patent SELF-ADJUSTING JAW VISES

For Machinists and Iron Workers Generally

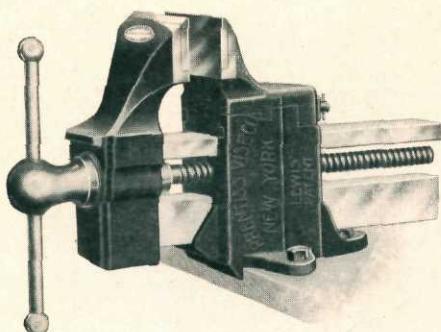


Lewis' Patent Self-Adjusting Jaw Machinists'
Swivel Bottom Vises
Cost 1½%.

The Steel Slide Bars Do Not Break

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
904	\$6.75	2½	3½	.22	Labor
906	7.50	3	4	.29	Lack
908	8.50	3½	5	.38	Ladder
910	10.50	4	6	.60	Lady
912	12.50	4½	7	.78	Lagoon
914	18.00	5	8	120	Lamb
916	21.00	5½	9	142	Lamp
918	27.00	6½	10	185	Land
920	35.00	7½	12	222	Large

Lewis' Patent
SELF-ADJUSTING JAW
Wood-Workers' Vises



Cost 1½%

No. 925. Jaws 4½ ins.,

Price \$10.00

Opens 9 ins.

Weight 62 lbs.

Code Word—Lap

Coach-Makers' Stationary Bottom Vise

The Steel Slide Bars Do Not Break

Cost 1½%

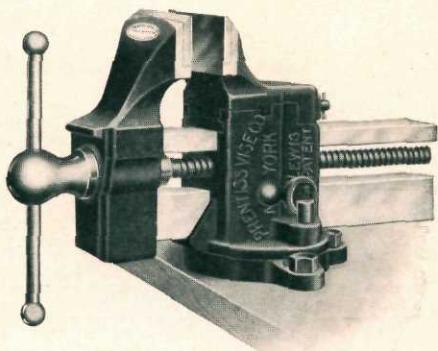
No. 926. Jaws 4½ ins.,

Price \$12.00

Opens 9 ins.

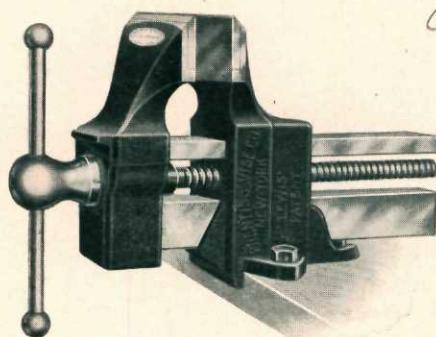
Weight 67 lbs.

Code Word—Lathe



Coach-Makers' Patent Swivel Bottom Vise

Lewis' Patent Solid Jaw WOOD-WORKERS' VISES



Cost 24^A 90⁰

No. 955. Jaws 4½ ins.,

Price \$9.50

Opens 9 ins.

Weight 55 lbs.

Code Word—Lean

Stationary Bottom

Coach-Makers' Solid Jaw Parallel Vise

The Steel Slide Bars Do Not Break

Cost 24^A 90⁰

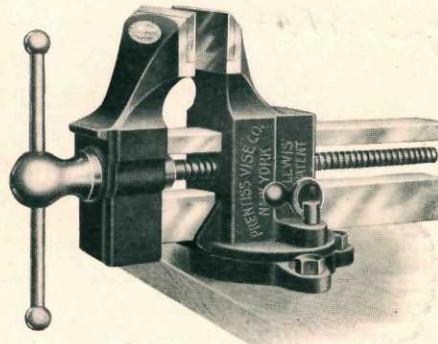
No. 956. Jaws 4½ ins.,

Price \$12.50

Opens 9 ins.

Weight 64 lbs.

Code Word—Leap

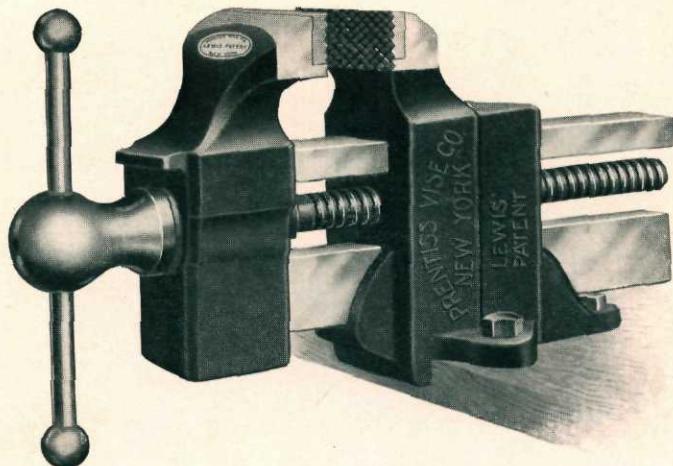


Patent Swivel Bottom

Coach-Makers' Solid Jaw Parallel Vise

Lewis' Patent

SOLID JAW PARALLEL VISES



Stationary Bottom, Machinists' Solid Jaw

Vise

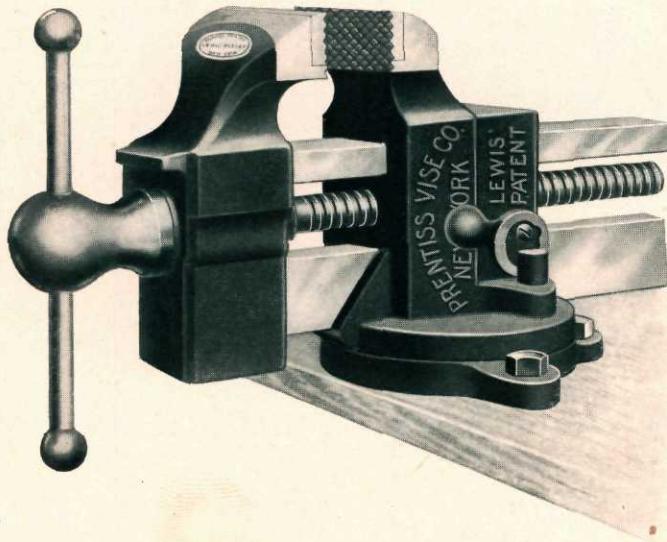
Cost 21 A do.

The Steel Slide Bars Do Not Break

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
935	\$6.00	3	4	22	Lease
937	7.00	3½	5	28	Leek
939	8.50	4	6	48	Legend
941	10.00	4½	7	60	Lent
943	13.50	5	8	82	Letter
945	18.50	5½	9	103	Levee
947	25.00	6½	10	135	Lever
949	35.00	7½	12	188	Leather

TOP PRENTISS VISES

Lewis' Patent SOLID JAW PARALLEL VISES



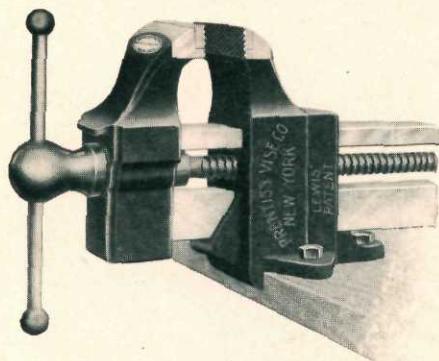
Patent Swivel Bottom, Machinists' Solid Jaw
Vise

Cost 24 A do.

The Steel Slide Bars Do Not Break

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
934	\$7.50	3	4	26	Leaf
936	9.00	3½	5	36	Ledge
938	11.50	4	6	56	Leg
940	13.50	4½	7	68	Lemon
942	17.50	5	8	93	Lesson
944	24.00	5½	9	120	Lettuce
946	32.00	6½	10	150	Level
948	40.00	7½	12	214	Lexicon

LEWIS' PATENT SOLID JAW
FILERS' OR FINISHERS' VISSES



No. 953. Jaws 4 ins.,

Price \$8.50

Opens 6 ins.

Weight 48 lbs.

Code Word—Light

Stationary Bottom
Filers' Solid Jaw Parallel Vise

The Steel Slide Bars Do Not Break

Cost 24 A doz.

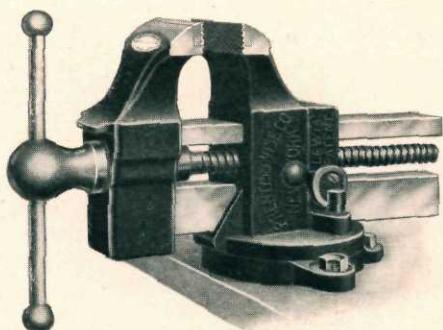
No. 954. Jaws 4 ins.,

Price \$11.50

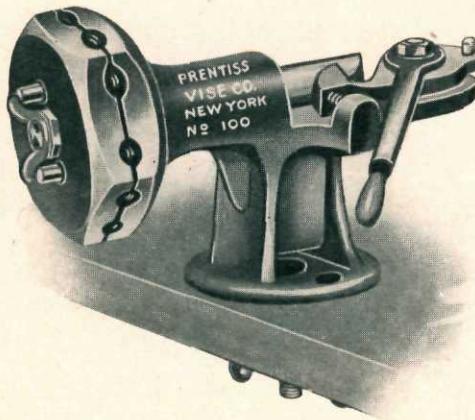
Opens 6 ins.

Weight 56 lbs.

Code Word—Link



Patent Swivel Bottom
Filers' Solid Jaw Parallel Vise

Prentiss'**PATENT BICYCLE VISE****Swivel Bench Vise**

With one hand work is placed between the jaws, opposite its proper groove, while with the other the front jaw is closed, when the latch, shown on top of vise at the back, engages with corresponding notch in sliding stem; then the lever is pulled forward to draw the two jaws firmly together. Pushing lever back first relieves pressure on the jaws, not opening them fully, however, until it strikes pin shown on back of latch—this disengages the latter, allowing jaws to open automatically and instantly.

Designed especially for Bicycle Factories and Repair Shops. The most convenient and quickest-acting vise made. Holds frames or tube in any position. The jaws, which revolve, are faced with lead to prevent marring work, and are grooved to accurately fit six different diameters, varying by eighths from $\frac{5}{8}$ to $1\frac{1}{4}$ inclusive.

The Column and Tool Table described on page 64 increases the efficiency of this Vise.

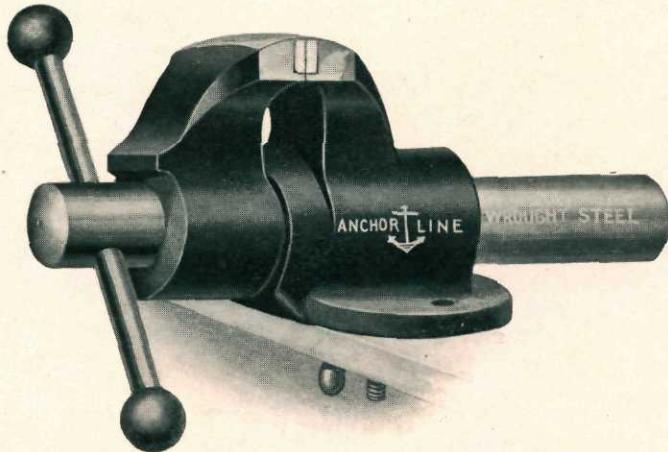
Cost 1 $\frac{1}{2}$ doz.

No. 100. Bike Vise, Code Word, Bike.....Price \$7.00

Bingham Patent

"ANCHOR LINE"

 VISES



**Non-Breakable. Cylindrical Wrought Steel Slides. Best
Quality Steel Jaws. Finish Unsurpassed.**

Cost 24% off.

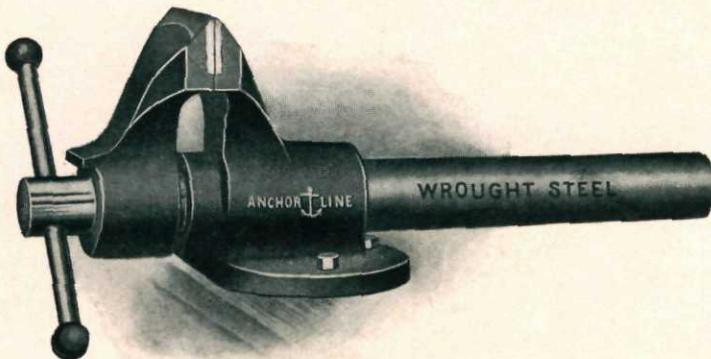
Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
300	\$2.00	1 1/4	1 1/2	1	Shell
302	2.75	2	2 1/2	3 1/2	Sharpie
303	3.25	2 1/2	4	9 1/2	Scow
304	4.50	3	4 1/2	16	Yawl
305	6.00	3 1/2	5	22	Launch
306	7.50	4	6 1/2	33	Sloop
307	10.00	4 1/2	7 1/2	46	Brig
308	12.50	5	8	70	Bark

These vises are equipped with Swivel Base Attachments.

TOE PRENTISS

Bingham Patent

"ANCHOR  LINE"
VISES



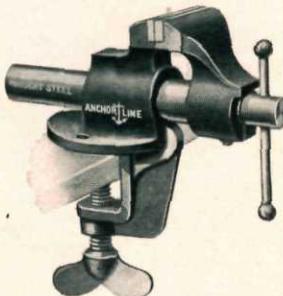
Cost 24^A/-

WOOD-WORKERS' SWIVEL VISE

Non-Breakable. Cylindrical Wrought Steel Slides. Best Quality Steel Jaws. Finish Unsurpassed.

No. 326 Price \$10.50, Jaws 4½ inches, Opens 12 inches, Weight 47 lbs., Code Word—Yacht.

ANCHOR TABLE CLAMP VISE



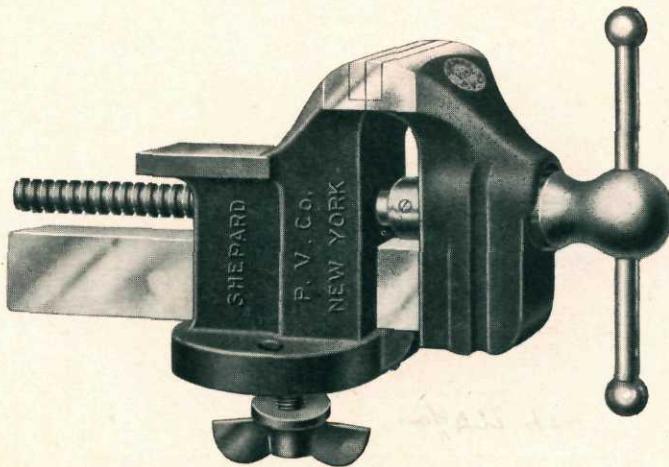
Cost 24^A/-

No. 301 Price \$2.50, Jaws 1¾ inches, Opens 1¾ inches, Weight 1¾ lbs., Code Word—Canoe.

TOE VISES TOE

Shepard

NEW STATIONARY VISES



Patent Applied For

**Can be used as either Stationary or Swivel Bottom Vise
Each Vise is equipped with Central Bolt,
Nut and Washer for fastening to Bench
Is also provided with bolt holes for permanently
securing to bench**

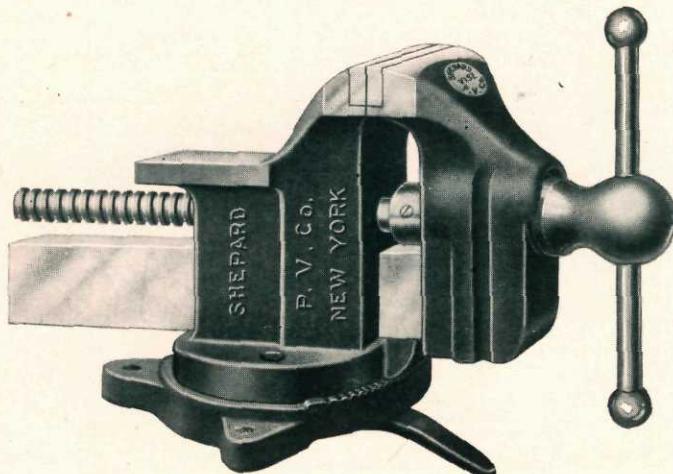
The Steel Sliding Bar makes this vise stronger than any other low priced vise, such as an oval slide, or vise with light square sliding arm.

Cost 1½ do

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
158	.75	2	2	2½	School
160	1.50	2	2	4	Snow
161	2.00	2½	3	10	Smoke
161½	2.40	3	3½	12	Sand
162	2.75	3½	4	16	Show
163	4.00	4	6	30	Straw
164	6.00	4½	7½	44	Stiff

JO APPRENTICESHIP

Shepard NEW SWIVEL VISES



Patent Applied For

Strong and well finished
Convenient Swivel Bottom—all on top of
Work Bench

Wrought Steel Sliding Bars, Screws, Levers and Jaws
Handsomely Polished Anvil

Cost $1\frac{1}{2}$ to $6\frac{1}{2}$ dollars.

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
159	\$1.00	2	2	3	Skate
60	1.65	2	2	$5\frac{1}{2}$	Swan
61	2.25	$2\frac{1}{2}$	3	12	Swift
$61\frac{1}{2}$	2.65	3	$3\frac{1}{2}$	14	Safe
62	3.00	$3\frac{1}{2}$	4	18	Surf
63	4.50	4	6	32	Strong
64	6.75	$4\frac{1}{2}$	$7\frac{1}{2}$	48	Steady

Shepard

WOOD-WORKERS' VISES

Cost I $\frac{1}{2}$ o/a



Patent Applied For

No. 168 Price \$5.25

Jaws $3\frac{1}{2}$ in.

Opens 7 in. Weight 33 lbs.

Code Word—Step

No. 68 Price \$6.25

Jaws $4\frac{1}{2}$ in.

Opens 9 in. Weight 42 lbs.

Code Word—Spoke

Stationary Bottom Coach-Makers' Solid Jaw, Parallel Vise

Cost I $\frac{1}{2}$ o/a

No. 169 Price \$6.00
Jaws $3\frac{1}{2}$ in.
Opens 7 in. Weight 38 lbs.
Code Word—Shaft

No. 69 Price \$7.25
Jaws $4\frac{1}{2}$ in.
Opens 9 in. Weight 46 lbs.
Code Word—Strap

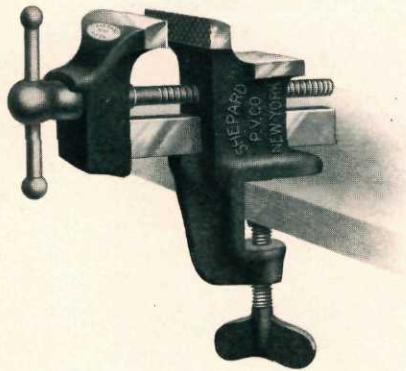


Patent Applied For

Patent Swivel Bottom Coach-Makers' Solid Jaw, Parallel Vise

TO PRENTISS CO

Shepard TABLE CLAMP VISES *Cost. I $\frac{1}{2}$ 00*



No. 152. Jaws $1\frac{1}{2}$ ins.,

Price 50 cents

Opens $1\frac{1}{2}$ ins.,

Weight $1\frac{1}{2}$ lbs.

Code Word—Sugar

No. 153. Jaws $1\frac{3}{4}$ ins.,

Price 75 cents

Opens $1\frac{3}{4}$ ins.

Weight $2\frac{1}{2}$ lbs.

Code Word—Sweet

No. 154. Jaws 2 ins.,

Price 95 cents

Opens 2 ins. Weight 3 lbs.

Code Word—Song

Wrought Steel Sliding Bar, Screw and Lever.

Polished Anvil. Heavy Clamp.

Shepard

LARGE CLAMP VISES

Cost I $\frac{1}{2}$ 00

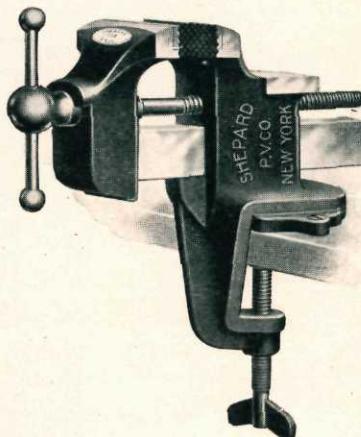
No. 155. Jaws $2\frac{1}{4}$ ins.,

Price \$1.25

Opens $2\frac{1}{2}$ ins.

Weight $5\frac{1}{2}$ lbs.

Code Word—Smart



No. 156. Jaws $2\frac{3}{4}$ ins.

Price \$1.75

Opens $3\frac{1}{2}$ ins.

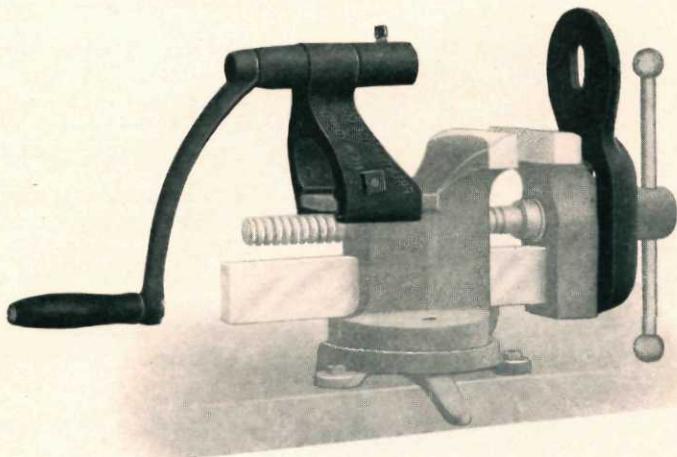
Weight 9 lbs.

Code Word—Salt

Provided with extra plate to screw on bench. This overcomes difficulty in fastening large Clamp Vises.

Shepard

Handy Drill Attachments



Patent Applied For

For New Shepard Vises

This is the only drilling attachment that can be securely fastened to vise, thus enabling operator to do as perfect work as with expensive post or bench drill.

Sockets are fitted for $\frac{1}{2}$ and $\frac{5}{16}$ round shank drills, or for square taper shank, as ordered. Unless otherwise instructed, we send $\frac{1}{2}$ inch round socket.

Cost $1\frac{1}{2}$ doz

Price

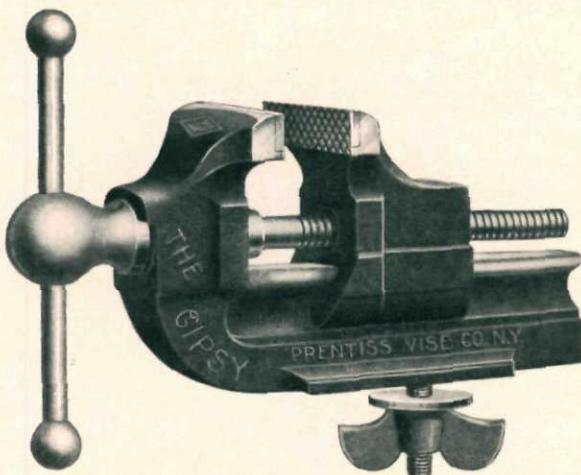
Drill Attachment for Vise No. 62 and No. 162.....\$2.00

Drill Attachment for Vise No. 63 and No. 163.....2.50

OF PRENTISS CO.

“GIPSY”

(Trade Mark)



To supply the growing demand for a strong, low priced, handy vise for common uses, we offer the above implement which we think is in every way suitable for the purpose. It is made of good material, with steel screw and welded steel jaws milled and cut, is strong, convenient, of ample weight. Head of swivel screw moves in groove running whole length of bottom plate, allowing operator to move vise out, in, or to any desired angle and fasten in position.

The nut is made by a long, full thread cut in solid metal of back jaw.

These vises are handsomely painted and polished, and are finished equal to any first-class vise in market.

Cost I $\frac{1}{2}$ %

Vise No.	List Price	Jaws inches	Opens inches	Weight lbs.	Code Word
65	\$1.75	2 $\frac{1}{2}$	3	8	Switch
66	2.50	3 $\frac{1}{2}$	4	14	Sterling
67	4.00	4	6	28	Stock

OF VISES CO.

JOHN PRENTISS CO.

ADJUSTABLE COLUMN AND TOOL TABLE



This is a heavy, rigid Iron Column, to be securely bolted to the floor, for supporting a Vise of such size and style as may be desired.

The Iron Column or Stand can be adjusted to any suitable height, and is furnished with Tool Table of ample size to conveniently hold all necessary tools.

With this device it is possible to place Vises wherever desired, throughout a shop, independent of the work benches. It is often necessary, and always desirable, to have a Vise near large Machine Tools, as it saves the operators much time and labor.

We carry in stock Column fitted for our No. 2 and No. 19 Prentiss Vises, and No. 100 Prentiss' Bicycle Vise, and can promptly supply other sizes on order.

Cost 1 $\frac{1}{2}$ op.

Price of Column, with Tool Table.....\$6.00

Weight, 60 pounds.

JOHNSON'S APPRENTICESHIP

Cost 24¢ of

REPAIR PARTS

On pages 66 and 67 we show in outline, illustrations of the parts of our vises, with the names we use to designate them, shown thereon.

In ordering repairs the **Name of the Part** together with the **Catalogue Number of the Vise** for which repair is needed, is sufficient information for us to fill the order intelligently.

The return of the Broken Part is of **no service to us whatever**. We earnestly recommend however that, when practicable all the Serviceable Parts be returned to our **Factory at Watertown, N. Y.**, to have new part fitted. This will insure the accurate fitting of the repair and will give us an opportunity to make adjustments when necessary.

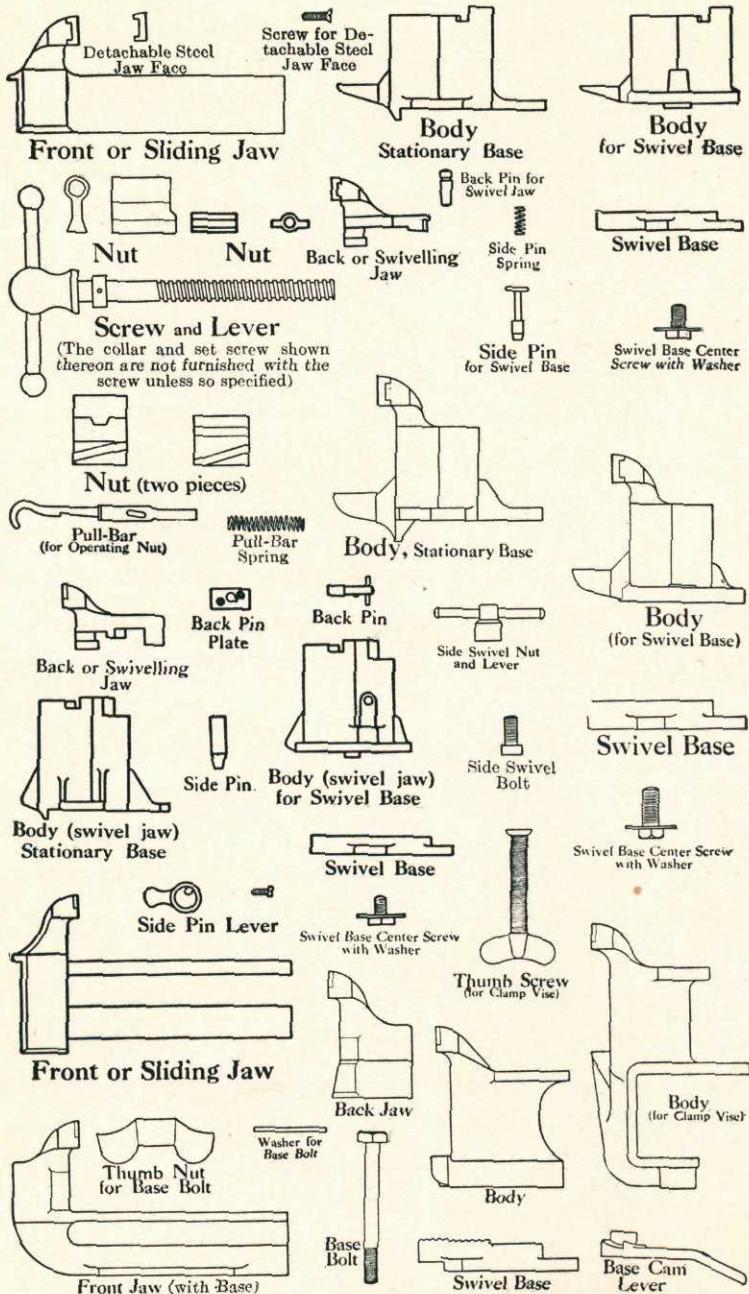
The repair parts are made as nearly interchangeable as practicable and usually little fitting is necessary.

Dealers are cautioned against taking parts from vises they have in stock, for although the extra parts we furnish are as nearly "interchangeable" as is practical, and are satisfactory for fitting to a vise in use, they are not calculated to replace parts taken by dealers from new vises in their stock.

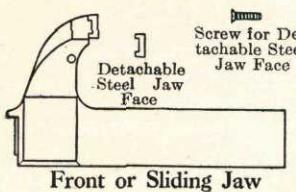
Returned Goods for Repair or Credit must be sent to our **Factory at Watertown, N. Y.**

JOHNSON'S VISES

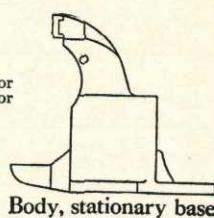
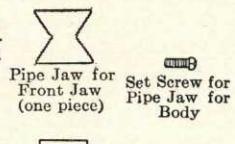
APPRENTICESHIP



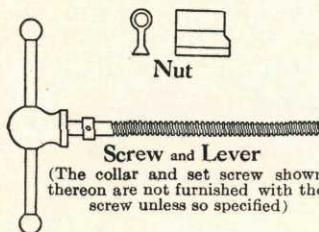
JOE P. RUEN TISSUE



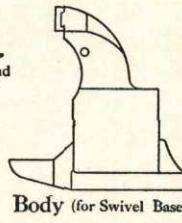
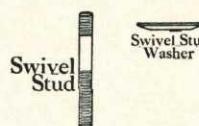
Front or Sliding Jaw



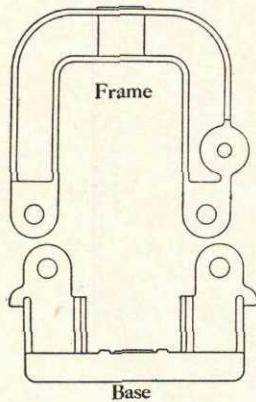
Body, stationary base



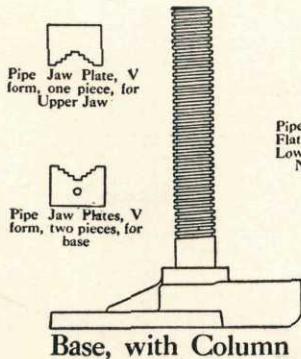
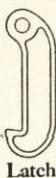
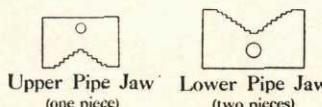
Pipe Jaw for Body
(two pieces)



Swivel Stud
Hand Nut

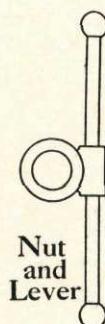
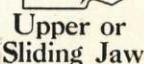


Base



Base, with Column

Pipe Jaw Plates,
Flat, Upper and
Lower, for Vises
Nos. 85-88



Cost 26 A %.

PRICE LIST EXTRA PARTS

VICE NUMBER	Body	Front or Sliding Jaw	Back Jaw	Detachable Steel Jaw Face— Each	Screw and Lever	Nut	Swivel Base
1	\$1 25	\$1 25	\$1 25	\$0 55	\$1 25	\$0 35	...
2	1 75	1 75	1 75	65	1 25	40	...
2½	2 75	2 75	2 00	70	1 50	40	...
3	3 25	3 25	2 25	80	1 75	60	...
4	5 50	5 50	3 50	1 00	2 25	75	...
5	7 50	7 50	6 00	1 20	3 50	1 00	...
6	11 00	11 00	6 00	1 40	3 50	1 25	...
10	3 25	3 25	2 25	...	1 75	60	...
12	1 75	1 75	1 75	...	1 25	40	...
18	1 25	1 25	1 25	55	1 25	35	\$1 25
19	1 75	1 75	1 75	65	1 25	40	1 25
19½	2 75	2 75	2 00	70	1 50	40	1 50
20	3 25	3 25	2 25	80	1 75	60	2 00
21	5 50	5 50	3 50	1 00	2 25	75	3 00
22	7 50	7 50	6 00	1 20	3 50	1 00	4 50
23	11 00	11 00	6 00	1 40	3 50	1 25	6 00
26	3 25	3 25	2 25	...	1 75	60	1 75
27	1 75	1 75	1 75	...	1 25	40	1 25
30	1 00	1 00	1 00	...	50	25	...
31	1 75	1 75	1 50	...	90	25	...
32	1 25	1 00	1 00	...	50	25	...
33	2 00	2 00	1 75	...	1 00	25	...
34	1 00	1 00	...	...	50	25	...
34½	1 75	1 75	...	...	90	25	...
35	1 00	1 00	1 00	...	50	25	50
36	1 75	1 75	1 50	...	90	25	90
37	1 25	1 00	1 00	...	50	25	50
38	2 00	2 00	1 75	...	1 00	25	1 00
39	1 00	1 00	...	...	50	25	50
39½	1 75	1 75	...	...	90	25	90
42	2 50	2 50	2 00	...	1 50	40	...
47	2 50	2 50	2 00	...	1 50	40	1 50
50	2 00	1 50	...	65	1 00	40	...
51	2 50	1 75	...	65	1 25	40	...
52	3 00	2 50	...	75	1 50	60	...
53	3 50	3 25	...	85	1 50	60	...
54	5 00	4 50	...	95	1 75	75	...
55	6 50	5 50	...	1 10	2 25	80	...
56	8 00	7 50	...	1 20	3 00	1 00	...
57	11 00	11 00	...	1 40	3 50	1 25	...
58	20 00	18 00	...	1 75	4 50	1 50	...
59	3 25	3 00	...	...	1 50	60	...
60	75	60	...	...	30	...	30
61	90	75	...	...	35	...	35
61½	1 00	80	...	...	50	...	40
62	1 25	1 00	...	...	60	...	50
63	1 75	1 75	...	...	80	...	70
64	2 50	2 25	...	...	1 25	...	70
65	...	80	70	...	30	...	...
66	...	1 00	80	...	50	...	...
67	...	1 75	1 25	...	80	...	...
68	2 50	2 25	...	...	1 25	...	...
69	2 50	2 25	...	...	1 25	...	70

Cost 24 A do.

THE PRENTISS CO.

PRICE LIST EXTRA PARTS

VISE NUMBER	Body	Front or Sliding Jaw	Detachable Steel Jaw Face— Each	Screw and Lever	Nut	Swivel Base	Pipe Jaws per Pair	Base with Column	Upper or Slide Jaw	Nut and Lever	Pull Bar and Spring
70	\$2 15	\$2 00	\$0 65	\$1 15	\$1 15	....	....	....	....	....	\$0 60
71	2 50	2 50	70	1 25	1 25	....	....	....	....	....	75
72	3 50	3 50	80	1 75	1 75	....	....	....	....	....	85
73	4 00	4 00	95	2 00	2 00	....	....	....	....	....	85
74	6 00	6 00	1 10	2 50	2 50	....	....	....	....	....	1 00
75	9 50	8 50	1 40	3 75	3 50	....	....	....	....	....	1 25
76	3 50	3 50	....	1 75	1 75	....	....	....	....	....	85
81	2 50	2 50	....	1 25	40	....	1 25	....	....	....	....
82	4 50	3 50	....	1 50	50	....	1 50	....	....	....	....
83	6 50	5 00	....	1 75	60	....	3 00	....	....	....	....
84	11 00	11 00	....	3 50	80	....	4 50	....	....	....	....
85	....	....	....	....	....	....	1 00	\$1 75	\$0 50	\$0 75	....
86	....	....	....	....	....	....	1 25	3 00	75	1 00	....
88	....	....	....	....	....	....	1 50	5 00	1 00	1 50	....
90	2 00	1 50	65	1 00	40	1 00	....	....	....	....	....
91	2 50	1 75	65	1 25	40	1 25	....	....	....	....	....
92	3 00	2 50	75	1 50	60	1 50	....	....	....	....	....
93	3 50	3 25	85	1 50	60	1 75	....	....	....	....	....
94	5 00	4 50	95	1 75	75	2 00	....	....	....	....	....
95	6 50	5 50	1 10	2 25	80	3 00	....	....	....	....	....
96	8 00	7 50	1 20	3 00	1 00	4 00	....	....	....	....	....
97	11 00	11 00	1 40	3 50	1 25	5 00	....	....	....	....	....
99	3 25	3 00	....	1 50	60	1 50	....	....	....	....	....
								Base	Frame	Latch	Slide
110	....	....	....	....	35	....	40	\$0 40	\$0 25	\$0 10	\$0 10
111	....	....	....	....	65	....	60	75	40	15	20
112	....	....	....	....	75	....	80	1 10	50	20	25
113	....	....	....	....	85	....	1 00	1 75	1 00	40	35
114	....	....	....	1 25	....	....	1 75	3 25	2 00	75	75
152	15	10	....	....	10	....	....	....	....	....	....
153	25	25	....	....	15	....	....	....	....	....	....
154	35	35	....	....	20	....	....	....	....	....	....
155	50	50	....	....	25	....	....	....	....	....	....
156	75	60	....	....	30	....	....	....	....	....	....
158	35	35	....	....	20	....	....	....	....	....	....
159	35	35	....	....	20	....	20	....	....	....	....
160	75	60	....	....	30	....	....	....	....	....	....
161	90	75	....	....	35	....	....	....	....	....	....
161½	1 00	80	....	....	50	....	....	....	....	....	....
162	1 25	1 00	....	....	60	....	....	....	....	....	....
163	1 75	1 75	....	....	80	....	....	....	....	....	....
164	2 50	2 25	....	1 25	....	....	....	....	....	....	....
168	2 00	1 75	....	....	80	....	....	....	....	....	....
169	2 00	1 75	....	....	80	....	70	....	....	....	....
181	3 00	3 00	65	1 25	40	1 00	1 00	....	....	....	....
182	4 50	4 50	80	1 50	50	1 25	1 25	....	....	....	....
182½	6 50	6 50	95	2 00	60	1 50	1 50	....	....	....	....
183	8 00	8 00	1 20	3 00	70	2 50	1 75	....	....	....	....
185	11 00	11 00	1 40	3 50	75	3 00	2 50	....	....	....	....
191	3 00	3 00	65	1 25	40	....	....	1 00	....	....	....
192	4 50	4 50	80	1 50	50	....	....	1 25	....	....	....
193	6 50	6 50	95	2 00	60	....	....	1 50	....	....	....
194	8 00	8 00	1 20	3 00	70	....	....	1 75	....	....	....
195	11 00	11 00	1 40	3 50	75	....	....	2 50	....	....	....

THE VISE SECTION

Cost 21 a do.

APPRENTICESHIP

PRICE LIST EXTRA PARTS

VISE No.	Body	Front or Sliding Jaw	Back Jaw	Detachable Steel Jaw Face— Each	Screw and Lever	Nut	Swivel Base	Pipe Jaws per Pair	Base with Column	Upper or Sliding Jaw	Nut and Lever
207	\$1 25	\$1 00	....	\$0 50	\$0 75	\$0 25	....	....	....	....	....
208	1 25	1 00	....	50	75	25	\$0 75	....	....	....	....
209	1 50	1 25	....	55	85	30	....	....	....	....	....
210	1 50	1 25	....	55	85	30	90	....	....	....	....
211	1 75	1 35	....	60	90	35	....	....	....	....	....
212	1 75	1 35	....	60	90	35	1 00	....	....	....	....
213	2 00	1 50	....	65	1 00	40	....	....	....	....	....
214	2 00	1 50	....	65	1 00	40	1 00	....	....	....	....
215	2 50	1 75	....	70	1 25	40	....	....	....	....	....
216	2 50	1 75	....	70	1 25	40	1 25	....	....	....	....
217	3 00	2 50	....	80	1 50	60	....	....	....	....	....
218	3 00	2 50	....	80	1 50	60	1 50	....	....	....	....
219	3 50	3 25	....	95	1 50	60	....	....	....	....	....
220	3 50	3 25	....	95	1 50	60	1 75	....	....	....	....
221	5 00	4 50	....	1 10	1 75	75	....	....	....	....	....
222	5 00	4 50	....	1 10	1 75	75	2 00	....	....	....	....
223	6 50	5 50	....	1 20	2 25	80	....	....	....	....	....
224	6 50	5 50	....	1 20	2 25	80	3 00	....	....	....	....
225	8 00	7 50	....	1 40	3 00	1 00	....	....	....	....	....
226	8 00	7 50	....	1 40	3 00	1 00	4 00	....	....	....	....
229	3 25	3 00	....	....	1 50	60	....	....	....	....	....
230	3 25	3 00	....	....	1 50	60	1 50	....	....	....	....
231	5 00	4 50	....	....	2 00	60	....	....	....	....	....
232	5 00	4 50	....	....	2 00	60	1 75	....	....	....	....
285	....	....	....	....	....	....	....	\$0 75	\$1 75	\$0 50	\$0 75
286	....	....	....	....	....	....	....	1 00	3 00	.75	1 00
288	....	....	....	....	....	....	....	1 25	5 00	1 00	1 50
300	60	75	....	....	30	20	....	....	....	....	....
301	75	90	....	....	50	20	....	....	....	....	....
302	75	90	....	....	50	25	....	....	....	....	....
303	75	1 00	....	....	60	25	....	....	....	....	....
304	1 00	1 50	....	....	65	25	....	....	....	....	....
305	1 50	2 00	....	....	1 00	25	....	....	....	....	....
306	2 00	2 50	....	....	1 25	25	....	....	....	....	....
307	2 50	3 25	....	....	1 50	35	....	....	....	....	....
308	3 25	3 75	....	....	1 75	40	....	....	....	....	....
326	2 50	3 25	....	....	1 50	35	....	....	....	....	....
401	3 00	3 00	....	....	65	1 25	40	1 00	1 00	....	....
402	4 50	4 50	....	....	80	1 50	50	1 25	1 25	....	....
403	6 50	6 50	....	....	95	2 00	60	1 50	1 50	....	....
411	3 00	3 00	....	....	65	1 25	40	....	1 00	....	....
412	4 50	4 50	....	....	80	1 50	50	....	1 25	....	....
413	6 50	6 50	....	....	95	2 00	60	....	1 50	....	....
612	2 00	1 50	\$1 50	....	1 00	....	....	....	....	....	....
613	3 00	2 00	2 00	....	1 00	....	....	....	....	....	....
700	90	90	....	....	75	30	35	40	....	....	....
700½	1 00	1 00	....	....	90	35	40	50	....	....	....
701	1 50	1 50	....	....	1 00	35	50	50	....	....	....
702	2 00	2 00	....	....	1 25	50	80	75	....	....	....
703	3 50	3 50	....	....	2 00	60	1 25	1 00	....	....	....
704	5 00	5 00	....	....	2 50	75	....	1 50	....	....	....
711	1 50	1 50	....	....	1 00	35	....	50	....	....	....
712	2 00	2 00	....	....	1 25	50	....	75	....	....	....
713	3 50	3 50	....	....	2 00	60	....	1 00	....	....	....

Cost 24 of.

APPRENTICESHIP

PRICE LIST EXTRA PARTS

VISE No.	Body	Front or Sliding Jaw	Back Jaw	Screw and Lever	Nut	Swivel Base	Pipe Jaws per Pair
800	\$0 75	\$0 50	....	\$0 30	\$0 25	....	....
801	75	50	....	30	25	....	....
802	90	65	....	40	25	....	....
903	1 25	1 75	1 25	1 00	25	....	....
904	1 75	1 75	1 25	1 00	25	\$1 00	....
905	2 00	2 00	1 50	1 00	30	....	....
906	2 25	2 00	1 50	1 00	30	1 00	....
907	2 00	2 50	1 75	1 25	35	....	....
908	2 50	2 50	1 75	1 25	35	1 00	....
909	3 00	3 00	2 00	1 25	40	....	....
910	3 50	3 00	2 00	1 25	40	1 25	....
911	3 50	3 50	2 25	1 50	50	....	....
912	4 25	3 50	2 25	1 50	50	1 50	....
913	5 00	5 00	3 00	1 75	60	....	....
914	5 50	5 00	3 00	1 75	60	2 00	....
915	6 00	5 75	3 75	2 00	75	....	....
916	7 00	5 75	3 75	2 00	75	2 50	....
917	8 00	7 50	5 00	2 50	90	....	....
918	8 50	7 50	5 00	2 50	90	3 00	....
919	11 00	11 00	6 00	3 00	1 00	....	....
920	12 00	11 00	6 00	3 00	1 00	4 00	....
925	3 50	3 50	2 25	1 50	50	....	....
926	4 00	3 50	2 25	1 50	50	1 50	....
934	2 25	1 75	....	1 00	30	75	....
935	2 00	1 75	....	1 00	30	....	....
936	2 50	2 25	....	1 25	35	1 00	....
937	2 25	2 25	....	1 25	35	....	....
938	3 00	2 75	....	1 50	40	1 25	....
939	2 50	2 75	....	1 50	40	....	....
940	3 50	3 50	....	1 50	50	1 25	....
941	3 25	3 50	....	1 50	50	....	....
942	4 50	4 50	....	1 75	60	1 50	....
943	4 00	4 50	....	1 75	60	....	....
944	5 75	5 50	....	2 25	75	2 00	....
945	5 00	5 50	....	2 25	75	....	....
946	7 25	7 50	....	3 00	90	2 50	....
947	6 50	7 50	....	3 00	90	....	....
948	10 00	10 00	....	3 50	1 00	3 50	....
949	9 00	10 00	....	3 50	1 00	....	....
953	2 50	2 75	....	1 50	40	....	....
954	3 00	2 75	....	1 50	40	1 25	....
955	3 25	3 50	....	1 50	50	....	....
956	3 50	3 50	....	1 50	50	1 25	....

No.	Base	Frame	Latch	Screw and Lever	Slide	Pipe Jaws
B	\$0 75	\$0 40	\$0 15	\$0 75	\$0 20	\$0 60
C	1 10	50	20	85	25	80
D	1 75	1 00	40	1 00	35	1 00

APPRENTICESHIP

THE PRENTVISE CO.

TELEGRAPHIC CODE

PRICE—Wire price and delivery.

QUERY—Wire how soon you can ship.

FRAIL—Ship by freight.

EXCEL—Ship by express.

Code Word	ViseNo.	Code Word	ViseNo.	Code Word	ViseNo.	Code Word	ViseNo.
Ash.....	12	Label....	903	Maple....	10	School...	158
Ball.....	52	Labor....	904	Marble...	220	Scow.....	303
Bark....	308	Lace....	905	March...	221	Second...	71
Base....	50	Lack....	906	Mark....	411	Shaft....	169
Basket...	96	Lad....	907	Mash....	222	Sharpie...	302
Bat.....	55	Ladder...	908	Master...	402	Shell....	300
Beach....	27	Ladle....	909	Mastiff...	403	Shop....	19
Bear....	82	Lady....	910	Match...	413	Short....	73
Bike....	100	Lag....	911	Mate....	223	Show....	162
Black....	4	Lagoon...	912	Matron...	401	Silver....	31
Blue....	3	Lake....	913	Maze....	412	Sinker....	97
Brass....	32	Lamb....	914	Meal....	224	Skate....	159
Brig....	307	Lame....	915	Medal....	225	Sloop....	306
Bronze...	33	Lamp....	916	Metal....	34	Smart....	155
Brown...	6	Lance....	917	Mill....	20	Smoke....	161
Buck....	84	Land....	918	Milk....	212	Snipe....	81
Canoe...	301	Lantern...	919	Mire....	210	Snow....	160
Catcher...	54	Lap....	925	Mix....	208	Song....	154
Cedar....	612	Large....	920	Mole....	226	Spoke....	68
Centre...	75	Lathe....	926	Moon....	211	Steady....	64
Coil....	288	Launch...	305	Moose....	88	Steel....	34½
Copper...	35	Lead....	30	Mouth....	209	Step....	168
Coupling...	194	Leader...	95	Mow....	207	Sterling...	66
Cross....	195	Leaf....	934	Muff....	230	Stiff....	164
Deer....	83	Lean....	955	Musket...	229	Stock....	67
Die....	191	Leap....	956	Music....	231	Strap....	69
Elbow....	183	Lease....	935	Mutton...	232	Straw....	163
Engine...	19½	Leather...	949	Nickel...	38	Strike....	51
Factory...	21	Ledge....	936	Oak....	26	Strong....	63
Fawn....	86	Leek....	937	Office....	18	Sugar....	152
File....	42	Left....	74	Pipe....	182	Surf....	62
First....	70	Leg....	938	Pitcher...	59	Swan....	60
Flask....	85	Legend...	939	Plate....	57	Sweet....	153
Fly....	53	Lemon....	940	Plug....	181	Swift....	61
Forge....	23	Lent....	941	Rasp....	47	Switch....	65
Foundry...	22	Lesson...	942	Red....	5	Tap....	285
Gauge...	193	Letter...	943	Rifle....	92	Third....	72
Gold....	36	Lettuce...	944	Right....	76	Thread...	286
Green....	2	Levee....	945	Ring....	703	Tin....	39½
Grey....	2½	Level....	946	Riot....	712	Trout....	99
Gun....	91	Lever....	947	Riser....	702	Tube....	182½
Hang....	800	Lexicon...	948	Risk....	711	Union....	185
Hard....	801	Light....	953	Rival....	713	Valve....	192
Harp....	802	Line....	93	Road....	700	Walnut...	613
Home....	58	Link....	954	Robin....	700½	White....	1
Hook....	94	Mace....	213	Rod....	90	Yacht....	326
Iron....	37	Magic....	214	Rope....	704	Yawl....	304
Jack....	110	Magnet...	217	Round....	701	Zeal....	B
Jest....	111	Maid....	215	Run....	56	Zebra....	C
Jibe....	112	Malt....	218	Safe....	61½	Zenith....	D
Jolt....	113	Man....	216	Salt....	156	Zinc....	39
Jump....	114	Mantle...	219	Sand....	161½		

Cable Address: "Prentvise, Newyork." Western Union Code

New York, February 15, 1919.

This discount sheet applies ONLY to the NEW STANDARD LIST PRICES, effective now. Copies enclosed. Correct your copy of our catalogue No. 50 now. All former quotations revoked. Prices subject to change without notice.

Bittenbender & Co.,

Scranton

Penna

Catalogue No. 50.

New list for pages 8 to 23,	Disct.	30.16-2 1/3,
" " " 30 to 33,	"	30.16-2 1/3,
" " " 44 to 45,	"	35.25,
" " " 46,	"	30.16-2 1/3,
" " " 58 to 60,	"	30.16-2 1/3,
" " " 61 to 63,	"	30.16-2 1/3,
1916 List " " 34 & 35,	"	35.5,
Extra parts, pages 68 to 71,		Net List.

Note.- Vises shown on pages 24 to 27 - 36 to 43 - 48 to 57 - 59, 60 & 64 discontinued.

Terms.- 30 days. 2/5 cash in ten days. On shipments weighing 200 lbs. or more, from Factory, Watertown, N.Y., ONLY, actual freight allowed where rate is 50 cents per 100 lbs. or more. In excess, 50 cents per 100 lbs. allowed.

Returned goods for repair or credit must be sent to Factory, Watertown, New York.

Prentiss Vise Company,

By A.R.D.

PRENTISS VISE COMPANY

STANDARD LIST PRICES

Applying to Catalog Number 50

EFFECTIVE FEBRUARY 15, 1919

PLEASE PASTE IN CATALOG

PAGE 8

1	\$13.50	2 $\frac{5}{8}$	3 $\frac{1}{2}$	13 $\frac{1}{2}$	White
2	16.00	3 $\frac{1}{2}$	4 $\frac{3}{4}$	28	Green
2 $\frac{1}{2}$	19.00	4	5 $\frac{1}{4}$	41	Grey
3	22.00	4 $\frac{1}{2}$	6	54	Blue
4	35.00	5 $\frac{1}{4}$	8	96	Black
5	50.00	6	9	146	Red
6	65.00	7	11	184	Brown

PAGE 9

18	\$16.00	2 $\frac{5}{8}$	3 $\frac{1}{2}$	17	Office
19	20.00	3 $\frac{1}{2}$	4 $\frac{3}{4}$	32	Shop
19 $\frac{1}{2}$	24.00	4	5 $\frac{1}{4}$	46	Engine
20	28.00	4 $\frac{1}{2}$	6	65	Mill
21	44.00	5 $\frac{1}{4}$	8	109	Factory
22	60.00	6	9	168	Foundry
23	75.00	7	11	207	Forge

PAGE 14

42	\$20.00	4 $\frac{1}{4}$	5 $\frac{1}{4}$	42	File
47	\$24.00	4 $\frac{1}{4}$	5 $\frac{1}{4}$	47	Rasp
12	\$19.00	3 $\frac{1}{2}$	7	30	Ash
10	25.00	4 $\frac{1}{2}$	9 $\frac{1}{2}$	59	Maple
27	\$23.00	3 $\frac{1}{2}$	7	34	Beech
26	30.00	4 $\frac{1}{2}$	9 $\frac{1}{2}$	67	Oak

PAGE 14

30	\$7.50	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	Lead
31 (Nickelized)	12.50	1 $\frac{3}{4}$	1 $\frac{3}{4}$	1 $\frac{1}{2}$	Silver
32	8.00	2	2	3 $\frac{1}{2}$	Brass
33 (Nickelized)	13.50	2	2	3 $\frac{1}{2}$	Bronze

PAGE 15

35	9.00	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2	Copper
36 (Nickelized)	13.50	1 $\frac{3}{4}$	1 $\frac{3}{4}$	2	Gold
37	10.00	2	2	4 $\frac{1}{2}$	Iron
38 (Nickelized)	15.50	2	2	4 $\frac{1}{2}$	Nickel

PAGE 16

34	6.50	2	2	2	Metal
34 $\frac{1}{2}$ (Nickelized)	11.50	2	2	2	Steel
39	\$8.00	2	2	2 $\frac{3}{4}$	Zinc
39 $\frac{1}{2}$ (Nickelized)	13.00	2	2	2 $\frac{3}{4}$	Tin

PAGE 18

800	\$2.75	1 $\frac{1}{4}$	1 $\frac{1}{4}$	1 $\frac{1}{2}$	Hang
801	3.25	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{3}{4}$	Hard
802	4.50	2	2	6	Harp
207	\$8.25	2	3	4 $\frac{1}{2}$	Mow
209	9.00	2 $\frac{1}{2}$	3	9	Mouth
50	10.00	3 $\frac{1}{4}$	4	22	Base
51	11.25	3 $\frac{5}{8}$	5 $\frac{1}{2}$	28	Strike
52	12.75	4 $\frac{1}{8}$	6	42	Ball
53	15.50	4 $\frac{5}{8}$	7	52	Fly
54	20.00	5	8	72	Catcher
55	30.00	5 $\frac{1}{2}$	9	100	Bat
56	39.00	6	10	135	Run
57	55.00	7	12	210	Plate

Z

PAGE 19

PAGE 23

PAGE 30

PAGE 32

PAGE 33

PAGE 33

PAGE 34

PAGE 44

PAGE 45

PAGE 45

PAGE 45

208.	\$10.50	2	2	6½	Mix	
210.	12.00	2½	3	12	Mire	
90.	13.00	3¼	4	28	Rod	
91.	15.00	3½	5½	36	Gun	
92.	17.00	4¼	6	52	Rifle	
93.	20.00	4½	7	64	Line	
94.	30.00	5	8	85	Hook	
95.	38.00	5½	9	115	Leader	
96.	52.00	6	10	155	Basket	
97.	70.00	7	12	235	Sinker	
20	59.	\$16.25	4¼	9	48	Pitcher
21	99.	\$21.25	4¼	9	58	Trout
	No. 58					\$82.00

8½ in. Jaws. Opens 12 in. Weight 275 lbs.

Code Word—Home

	Swivel Bottom Attachment for above	\$9.00
70.	\$12.00	3
71.	14.00	3¾
72.	20.00	4¼
73.	24.00	4¾
74.	34.00	5½
75.	50.00	6½
31	76.	\$24.00
	4¼	9
		55
	For Vise No. 70	\$1.75
	For Vise No. 71	2.25
	For Vise Nos. 72 and 73	2.50
	For Vise No. 74	3.50
	For Vise No. 75	5.00
	For Vise No. 76	2.50

No. 1. Fits any 3 to 4½ inch vise, Price \$3.50
Will hold ¼ to 2½ inch pipe.**No. 2.** Fits any 4¾ to 5½ inch vise, Price \$3.75
Will hold ¼ to 5 inch pipe.**No. 3.** Fits any 6 to 8½ inch vise, Price \$4.00
Will hold ¼ to 6 inch pipe.

To Fit Jaws	Price per Pair	To Fit Jaws	Price per Pair
1¾, 2, 2½ inch	\$1.65	5½ inch	\$3.80
3, 3¼, 3½, 3¾ inch	2.00	6 "	5.50
4, 4¼, 4½, 4¾ "	2.50	6½ "	6.00
4¾, 5 "	2.90	7 "	8.25
5½ "	3.25	8½ "	11.50

Vise No.	List Price	Jaws inches	Holds Pipe inches	Weight lbs.	Code Word
180.	\$10.00	2½	⅛ to 1	15	Road
180½	12.00	3	⅛ to 1½	22	Robin
181.	16.00	3½	⅛ to 2½	55	Plug
182.	22.00	4¼	⅛ to 3	80	Pipe
182½	32.00	5	⅛ to 4	120	Tube
B.	\$6.00		⅛ to 2½	13	Zeal
C.	9.00		⅛ to 3	20	Zebra
D.	12.50		⅛ to 4½	35	Zenith
110.	\$3.60		⅛ to 2	4½	Jack
111.	5.00		⅛ to 2½	9	Jest
112.	7.50		⅛ to 3½	15	Jibe
113.	11.00		¼ to 4½	19	Jolt
114.	23.50		1 to 6	36	Jump

PAGE 58	46	612	\$11.00	8	8	33	Cedar
		613	15.00	10	12	55	Walnut
		158	\$1.65	2	2	2½	School
		160	3.00	2	2	4	Snow
		161	3.75	2½	3	10	Smoke
		161½	4.75	3	3½	12	Sand
		162	5.25	3½	4	16	Show
		163	8.25	4	6	30	Straw
		164	12.00	4½	7½	44	Stiff

No. 169 Price \$11.00
Jaws 3½ in.
Opens 7 in. Weight 38 lbs.
Code Word—Shaft

No. 69 Price \$13.75
Jaws 4½ in.
Opens 9 in. Weight 46 lbs.
Code Word—Strap

No. 155 Jaws 2¼ ins.,
Price \$2.25
Opens 2½ ins.
Weight 5½ lbs.
Code Word—Smart

No. 156 Jaws 2¾ ins.
Opens 3½ ins.
Weight 9 lbs.
Code Word—Salt

PAGE 63	65	\$3.60	2½	3	8	Switch
	66	5.00	3½	4	14	Sterling
	67	8.00	4	6	28	Stock

No. 168 Price \$10.00
Jaws 3½ in.
Opens 7 in. Weight 33 lbs.
Code Word—Step

No. 68 Price \$12.00
Jaws 4½ in.
Opens 9 in. Weight 42 lbs.
Code Word—Spoke

No. 152 Jaws 1½ ins.,
Price \$1.00
Opens 1½ ins.
Weight 1½ lbs.
Code Word—Sugar

No. 153 Jaws 1¾ ins.,
Price \$1.25
Opens 1¾ ins.
Weight 2½ lbs.
Code Word—Sweet

No. 154 Jaws 2 ins.,
Price \$1.60
Opens 2 ins. Weight 3 lbs.
Code Word—Song

PAGE 24 DISCONTINUED

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